

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027581.D
 Acq On : 21 Mar 2022 13:13
 Operator : JC/MD
 Sample : VX0321WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 22 05:44:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	335769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	512397	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	460412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	232155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	197907	47.846	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.700%		
35) Dibromofluoromethane	5.391	113	174682	52.987	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.980%		
50) Toluene-d8	8.653	98	640673	51.357	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.720%		
62) 4-Bromofluorobenzene	11.079	95	228508	49.836	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	63585	19.729	ug/l	98
3) Chloromethane	1.294	50	57846	20.219	ug/l	99
4) Vinyl Chloride	1.374	62	67477	20.412	ug/l	99
5) Bromomethane	1.599	94	42803	22.276	ug/l	99
6) Chloroethane	1.685	64	42153	20.780	ug/l	98
7) Trichlorofluoromethane	1.886	101	100394	18.398	ug/l	97
8) Diethyl Ether	2.136	74	38625	19.002	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	66640	20.507	ug/l	97
10) Methyl Iodide	2.453	142	70293	16.342	ug/l	99
11) Tert butyl alcohol	2.965	59	67103	85.123	ug/l	100
12) 1,1-Dichloroethene	2.319	96	61561	19.745	ug/l	95
13) Acrolein	2.233	56	49982	81.706	ug/l	98
14) Allyl chloride	2.666	41	88080	18.053	ug/l	95
15) Acrylonitrile	3.062	53	182399	101.775	ug/l	99
16) Acetone	2.380	43	144852	85.915	ug/l	98
17) Carbon Disulfide	2.508	76	149525	18.847	ug/l	99
18) Methyl Acetate	2.703	43	74947	18.548	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	197427	18.768	ug/l	100
20) Methylene Chloride	2.788	84	68994	19.033	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	66062	19.863	ug/l	99
22) Diisopropyl ether	3.764	45	185818	19.503	ug/l	92
23) Vinyl Acetate	3.721	43	786922	94.971	ug/l	97
24) 1,1-Dichloroethane	3.611	63	115171	19.874	ug/l	98
25) 2-Butanone	4.556	43	238094	93.863	ug/l	98
26) 2,2-Dichloropropane	4.477	77	85634	18.096	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	77067	19.981	ug/l	95
28) Bromochloromethane	4.897	49	38872	16.629	ug/l	93
29) Tetrahydrofuran	5.007	42	159079	97.759	ug/l	93
30) Chloroform	5.093	83	125365	19.612	ug/l	98
31) Cyclohexane	5.471	56	100906	19.646	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	107357	18.446	ug/l	99
36) 1,1-Dichloropropene	5.696	75	89096	19.777	ug/l	99
37) Ethyl Acetate	4.715	43	90718	20.209	ug/l	99
38) Carbon Tetrachloride	5.684	117	97542	18.925	ug/l	97
39) Methylcyclohexane	7.379	83	111920	19.756	ug/l	97
40) Benzene	6.037	78	268210	20.752	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	50323	20.555	ug/l	95
42) 1,2-Dichloroethane	6.092	62	94309	19.470	ug/l	98
43) Isopropyl Acetate	6.342	43	135696	18.782	ug/l	97
44) Trichloroethene	7.129	130	78467	19.999	ug/l	99
45) 1,2-Dichloropropane	7.434	63	66995	20.350	ug/l	97
46) Dibromomethane	7.586	93	50591	20.117	ug/l	99
47) Bromodichloromethane	7.824	83	91528	19.329	ug/l	99
48) Methyl methacrylate	7.696	41	68713	19.218	ug/l	92
49) 1,4-Dioxane	7.659	88	35964	391.618	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	464778	100.777	ug/l	95
52) Toluene	8.720	92	172405	19.905	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	89836	18.485	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	102487	19.376	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	72067	20.436	ug/l	97
56) Ethyl methacrylate	9.116	69	100850	19.114	ug/l	92
57) 1,3-Dichloropropane	9.311	76	115525	20.179	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	243191	90.264	ug/l	99
59) 2-Hexanone	9.433	43	352276	99.175	ug/l	93
60) Dibromochloromethane	9.525	129	73765	19.002	ug/l	96
61) 1,2-Dibromoethane	9.610	107	74918	19.329	ug/l	99
64) Tetrachloroethene	9.275	164	75343	21.047	ug/l	96
65) Chlorobenzene	10.079	112	190096	20.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	69638	19.707	ug/l	97
67) Ethyl Benzene	10.195	91	326877	20.163	ug/l	99
68) m/p-Xylenes	10.305	106	259210	40.609	ug/l	100
69) o-Xylene	10.640	106	125682	20.279	ug/l	100
70) Styrene	10.659	104	208808	20.624	ug/l	100
71) Bromoform	10.799	173	53327	18.890	ug/l #	99
73) Isopropylbenzene	10.963	105	328350	19.418	ug/l	100
74) N-amyl acetate	10.842	43	108645	18.120	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	105273	19.654	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	96745m	19.923	ug/l	
77) Bromobenzene	11.201	156	83197	19.520	ug/l	95
78) n-propylbenzene	11.305	91	375147	20.210	ug/l	99
79) 2-Chlorotoluene	11.366	91	227012	19.496	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	284334	19.979	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26707	16.703	ug/l #	86
82) 4-Chlorotoluene	11.457	91	259140	19.546	ug/l	97
83) tert-Butylbenzene	11.719	119	276269	19.595	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	284196	20.023	ug/l	100
85) sec-Butylbenzene	11.890	105	342598	20.108	ug/l	100
86) p-Isopropyltoluene	12.012	119	293957	20.087	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	155311	19.667	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	155422	19.450	ug/l	98
89) n-Butylbenzene	12.335	91	238510	19.530	ug/l	98
90) Hexachloroethane	12.542	117	42703	18.298	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	155614	20.181	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22101	17.990	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	96410	19.507	ug/l	99
94) Hexachlorobutadiene	13.725	225	43339	19.851	ug/l	95
95) Naphthalene	13.780	128	319631	19.866	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	99093	19.821	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Abundance

TIC: VX027581.D\data.ms

Time-->

Chlorodifluoromethane, T
Cyclohexane, T
Bromomethane, T
Chloromethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acetone, T
Methyl Chloride, T
Methyl Acetylide, T
Methyl Acetylene Chloride, T
tert Butyl alcohol, T
Hexachloroethane, T
1,1-Dichloroethane, P
Disopropyl ether, T
Vinyl Acetate, T
Ethyl Acetate, T
2-Butoxy-2-methylpropane, T
Bromochloromethane, T
Chloroform, C
Dibromodichloroethane, S
Pentachlorobenzene, I
Carbon disulfide, T
1,2-Dichloroethane, T
Isopropyl Acetate, T
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichloropropane, T
Methylcyclopentadiene, T
1,4-Dioxane, P
Bromochloroethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
Toluene, CM
1,3-Dichloropropene, T
Ethylbenzene, T
1,3-Dichloropropane, T
1,2-Dichloropropane, T
1,2-Dichloroethane, T
1,1,1,2-Tetrachloroethane, PM
Chlorobenzene-d5, I
m/p-Xylenes, T
N-aryl acetate, T
trans-1,4-Dichlorocyclobutene, T
Styrene, Xylene, T
Isopropylbenzene, T
4-Bromofluorobenzene, S
2-Chlorotoluene, P
1,2,3-Trichlorobenzene, T
1,2,4-Trimethylbenzene, T
1,2,4-Trichlorobenzene, I
1,3-Dichlorobenzene, I
1,4-Dichlorobenzene, I
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorocyclopentadiene, I
Naphthalene, T
1,2,3-Trichlorobenzene, T