

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027582.D
 Acq On : 21 Mar 2022 13:40
 Operator : JC/MD
 Sample : VX0321WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Mar 22 05:45:12 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	331953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	511740	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	459633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	225148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189135	46.251	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.500%		
35) Dibromofluoromethane	5.391	113	172074	52.263	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.520%		
50) Toluene-d8	8.653	98	634191	50.902	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.800%		
62) 4-Bromofluorobenzene	11.079	95	229214	50.054	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	60891	19.110	ug/l	99
3) Chloromethane	1.294	50	55008	19.448	ug/l	100
4) Vinyl Chloride	1.374	62	63749	19.506	ug/l	98
5) Bromomethane	1.599	94	39959	20.692	ug/l	99
6) Chloroethane	1.685	64	41101	20.494	ug/l	98
7) Trichlorofluoromethane	1.886	101	96905	17.962	ug/l	99
8) Diethyl Ether	2.136	74	39129	19.471	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	62354	19.409	ug/l	94
10) Methyl Iodide	2.453	142	71064	16.711	ug/l	99
11) Tert butyl alcohol	2.965	59	69975	89.787	ug/l	99
12) 1,1-Dichloroethene	2.319	96	59123	19.181	ug/l	91
13) Acrolein	2.233	56	50749	83.914	ug/l	97
14) Allyl chloride	2.666	41	88603	18.369	ug/l	95
15) Acrylonitrile	3.062	53	182242	102.856	ug/l	99
16) Acetone	2.380	43	144183	86.501	ug/l	99
17) Carbon Disulfide	2.508	76	143366	18.279	ug/l	99
18) Methyl Acetate	2.703	43	77155	19.314	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	197457	18.986	ug/l	100
20) Methylene Chloride	2.788	84	68468	19.105	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	63323	19.259	ug/l	96
22) Diisopropyl ether	3.763	45	184897	19.629	ug/l	92
23) Vinyl Acetate	3.721	43	787920	96.185	ug/l	97
24) 1,1-Dichloroethane	3.611	63	109984	19.197	ug/l	100
25) 2-Butanone	4.562	43	237888	94.859	ug/l	98
26) 2,2-Dichloropropane	4.477	77	80759	17.262	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	76031	19.939	ug/l	93
28) Bromochloromethane	4.897	49	38010	16.447	ug/l	90
29) Tetrahydrofuran	5.007	42	157575	97.948	ug/l	95
30) Chloroform	5.093	83	121724	19.261	ug/l	94
31) Cyclohexane	5.471	56	97048	19.112	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	101927	17.714	ug/l	99
36) 1,1-Dichloropropene	5.696	75	86471	19.219	ug/l	98
37) Ethyl Acetate	4.721	43	90107	20.098	ug/l	99
38) Carbon Tetrachloride	5.678	117	92539	17.978	ug/l	98
39) Methylcyclohexane	7.385	83	110651	19.557	ug/l	99
40) Benzene	6.037	78	263578	20.419	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	49497	20.243	ug/l	96
42) 1,2-Dichloroethane	6.092	62	90447	18.696	ug/l	99
43) Isopropyl Acetate	6.342	43	134660	18.662	ug/l	99
44) Trichloroethene	7.129	130	77138	19.686	ug/l	99
45) 1,2-Dichloropropane	7.434	63	65951	20.059	ug/l	97
46) Dibromomethane	7.586	93	49051	19.530	ug/l	96
47) Bromodichloromethane	7.824	83	89418	18.908	ug/l	100
48) Methyl methacrylate	7.696	41	68143	19.083	ug/l	94
49) 1,4-Dioxane	7.665	88	36622	399.295	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	453555	98.470	ug/l	97
52) Toluene	8.720	92	173332	20.038	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	88569	18.248	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	102913	19.482	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	73191	20.781	ug/l	95
56) Ethyl methacrylate	9.116	69	102325	19.418	ug/l	97
57) 1,3-Dichloropropane	9.311	76	115499	20.200	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	247689	92.075	ug/l	98
59) 2-Hexanone	9.433	43	346318	97.623	ug/l	95
60) Dibromochloromethane	9.525	129	74343	19.175	ug/l	97
61) 1,2-Dibromoethane	9.610	107	76722	19.820	ug/l	99
64) Tetrachloroethene	9.275	164	76528	21.414	ug/l	98
65) Chlorobenzene	10.079	112	191803	20.286	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	69172	19.608	ug/l	100
67) Ethyl Benzene	10.195	91	321514	19.866	ug/l	97
68) m/p-Xylenes	10.305	106	259537	40.729	ug/l	97
69) o-Xylene	10.646	106	127251	20.567	ug/l	97
70) Styrene	10.659	104	211786	20.954	ug/l	99
71) Bromoform	10.805	173	53256	18.897	ug/l #	99
73) Isopropylbenzene	10.963	105	329952	20.120	ug/l	100
74) N-amyl acetate	10.841	43	108589	18.674	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	107602	20.714	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	96233m	20.435	ug/l	
77) Bromobenzene	11.201	156	84191	20.368	ug/l	94
78) n-propylbenzene	11.305	91	366122	20.338	ug/l	98
79) 2-Chlorotoluene	11.366	91	220765	19.549	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	276842	20.058	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	27572	17.781	ug/l	90
82) 4-Chlorotoluene	11.457	91	251802	19.584	ug/l	97
83) tert-Butylbenzene	11.719	119	267787	19.585	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	277415	20.154	ug/l	100
85) sec-Butylbenzene	11.890	105	330467	20.000	ug/l	99
86) p-Isopropyltoluene	12.012	119	286016	20.153	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	151695	19.807	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	153361	19.790	ug/l	98
89) n-Butylbenzene	12.335	91	232608	19.639	ug/l	97
90) Hexachloroethane	12.542	117	40596	17.937	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	152053	20.333	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22751	19.096	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	94343	19.683	ug/l	99
94) Hexachlorobutadiene	13.725	225	41486	19.594	ug/l	96
95) Naphthalene	13.780	128	319576	20.481	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	97213	20.050	ug/l	96

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

