

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040822\
 Data File : VX028019.D
 Acq On : 08 Apr 2022 12:01
 Operator : JC/MD
 Sample : VX0408WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Quant Time: Apr 11 01:15:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 07 18:12:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	73099	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	114156	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57945	52.219	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.440%			
35) Dibromofluoromethane	5.385	113	40227	52.497	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.000%			
50) Toluene-d8	8.653	98	138711	50.734	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	57634	49.587	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	19958	19.292	ug/l	99
3) Chloromethane	1.294	50	15293	19.788	ug/l	100
4) Vinyl Chloride	1.374	62	16523	19.503	ug/l	95
5) Bromomethane	1.599	94	11408	31.011	ug/l	95
6) Chloroethane	1.685	64	9261	19.590	ug/l	92
7) Trichlorofluoromethane	1.886	101	27257	19.311	ug/l	95
8) Diethyl Ether	2.136	74	8524	20.129	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	16223	19.232	ug/l	97
10) Methyl Iodide	2.453	142	16459	20.514	ug/l	# 88
11) Tert butyl alcohol	2.959	59	18224	93.210	ug/l	100
12) 1,1-Dichloroethene	2.319	96	14901	18.779	ug/l	97
13) Acrolein	2.233	56	16962	94.882	ug/l	97
14) Allyl chloride	2.660	41	25610	19.505	ug/l	# 87
15) Acrylonitrile	3.062	53	44558	94.866	ug/l	98
16) Acetone	2.373	43	44692	110.052	ug/l	90
17) Carbon Disulfide	2.514	76	37318	23.498	ug/l	100
18) Methyl Acetate	2.703	43	21722	18.826	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	51246	18.890	ug/l	100
20) Methylene Chloride	2.788	84	15941	20.299	ug/l	# 85
21) trans-1,2-Dichloroethene	3.093	96	15324	19.287	ug/l	91
22) Diisopropyl ether	3.763	45	48351	17.919	ug/l	92
23) Vinyl Acetate	3.721	43	211025	89.114	ug/l	93
24) 1,1-Dichloroethane	3.611	63	28214	18.361	ug/l	98
25) 2-Butanone	4.550	43	66877	92.879	ug/l	93
26) 2,2-Dichloropropane	4.477	77	22424	17.902	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	17902	19.378	ug/l	95
28) Bromochloromethane	4.897	49	11938	18.443	ug/l	85
29) Tetrahydrofuran	5.007	42	43222	94.649	ug/l	# 84
30) Chloroform	5.092	83	31168	18.679	ug/l	99
31) Cyclohexane	5.470	56	26770	19.900	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	28122	19.195	ug/l	94
36) 1,1-Dichloropropene	5.696	75	22700	20.147	ug/l	96
37) Ethyl Acetate	4.714	43	25032	18.920	ug/l	95
38) Carbon Tetrachloride	5.672	117	24493	20.083	ug/l	95
39) Methylcyclohexane	7.385	83	24825	19.016	ug/l	90
40) Benzene	6.043	78	59783	19.006	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	13825	19.878	ug/l	88
42) 1,2-Dichloroethane	6.086	62	27699	20.810	ug/l	92
43) Isopropyl Acetate	6.342	43	38981	19.556	ug/l #	90
44) Trichloroethene	7.129	130	16190	19.208	ug/l	86
45) 1,2-Dichloropropane	7.433	63	15617	19.864	ug/l	98
46) Dibromomethane	7.580	93	12064	19.101	ug/l	90
47) Bromodichloromethane	7.824	83	23210	20.030	ug/l	99
48) Methyl methacrylate	7.690	41	19693	19.378	ug/l #	78
49) 1,4-Dioxane	7.665	88	7592	385.502	ug/l #	82
51) 4-Methyl-2-Pentanone	8.573	43	132560	101.963	ug/l	87
52) Toluene	8.720	92	37973	18.805	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	22354	19.387	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	24292	19.567	ug/l #	75
55) 1,1,2-Trichloroethane	9.153	97	15886	19.950	ug/l	97
56) Ethyl methacrylate	9.116	69	24352	19.422	ug/l #	71
57) 1,3-Dichloropropane	9.311	76	27436	20.106	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	61482	104.247	ug/l	94
59) 2-Hexanone	9.433	43	101615	97.935	ug/l	82
60) Dibromochloromethane	9.525	129	16326	19.822	ug/l	99
61) 1,2-Dibromoethane	9.610	107	16973	19.112	ug/l	99
64) Tetrachloroethene	9.275	164	15249	19.431	ug/l	91
65) Chlorobenzene	10.079	112	41299	18.564	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	14978	18.331	ug/l	98
67) Ethyl Benzene	10.195	91	77900	19.066	ug/l	97
68) m/p-Xylenes	10.305	106	58499	38.191	ug/l	89
69) o-Xylene	10.646	106	28469	18.924	ug/l	89
70) Styrene	10.659	104	46094	18.427	ug/l #	90
71) Bromoform	10.799	173	11391	18.921	ug/l #	96
73) Isopropylbenzene	10.963	105	75366	18.470	ug/l	98
74) N-amyl acetate	10.841	43	31816	17.788	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	25245	18.486	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	23689m	18.346	ug/l	
77) Bromobenzene	11.201	156	17404	18.075	ug/l	86
78) n-propylbenzene	11.305	91	91223	18.750	ug/l	98
79) 2-Chlorotoluene	11.366	91	55792	18.620	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	67815	19.366	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	6297	19.661	ug/l #	64
82) 4-Chlorotoluene	11.457	91	65514	18.786	ug/l	96
83) tert-Butylbenzene	11.719	119	61652	18.914	ug/l	86
84) 1,2,4-Trimethylbenzene	11.756	105	66839	19.023	ug/l	95
85) sec-Butylbenzene	11.890	105	78921	19.196	ug/l	98
86) p-Isopropyltoluene	12.012	119	64340	18.684	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	33558	18.644	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	33531	18.055	ug/l	94
89) n-Butylbenzene	12.335	91	57938	18.719	ug/l	95
90) Hexachloroethane	12.542	117	9709	18.663	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	33026	18.880	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6278	18.170	ug/l	72
93) 1,2,4-Trichlorobenzene	13.591	180	20384	19.042	ug/l	97
94) Hexachlorobutadiene	13.725	225	8934	17.898	ug/l	95
95) Naphthalene	13.780	128	69760	18.924	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	19124	18.170	ug/l	98

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

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