

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121721\
 Data File : VX025852.D
 Acq On : 16 Dec 2021 13:56
 Operator : JC/MD
 Sample : VX1217WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1217WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/17/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 16 14:19:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	118648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	200291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87018	50.973	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.940%			
35) Dibromofluoromethane	5.385	113	69725	49.916	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.840%			
50) Toluene-d8	8.647	98	259589	51.005	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.020%			
62) 4-Bromofluorobenzene	11.085	95	95842	49.574	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22753	21.443	ug/l	99
3) Chloromethane	1.294	50	25459	18.426	ug/l	99
4) Vinyl Chloride	1.374	62	27602	18.781	ug/l	100
5) Bromomethane	1.599	94	20607	19.637	ug/l	94
6) Chloroethane	1.685	64	19411	18.235	ug/l	97
7) Trichlorofluoromethane	1.886	101	45732	18.838	ug/l	99
8) Diethyl Ether	2.136	74	17858	18.648	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	24363	19.285	ug/l	97
10) Methyl Iodide	2.453	142	28485	17.696	ug/l	99
11) Tert butyl alcohol	2.965	59	29116	85.024	ug/l	99
12) 1,1-Dichloroethene	2.319	96	22763	18.123	ug/l	99
13) Acrolein	2.233	56	17594	75.166	ug/l	95
14) Allyl chloride	2.666	41	39771	17.349	ug/l	99
15) Acrylonitrile	3.062	53	77555	97.013	ug/l	98
16) Acetone	2.380	43	74102	86.621	ug/l	97
17) Carbon Disulfide	2.508	76	54119	15.042	ug/l	99
18) Methyl Acetate	2.703	43	50169	19.282	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	83052	18.720	ug/l	98
20) Methylene Chloride	2.788	84	28373	17.877	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	25651	18.299	ug/l	97
22) Diisopropyl ether	3.763	45	83433	18.763	ug/l	96
23) Vinyl Acetate	3.721	43	327300	95.117	ug/l	99
24) 1,1-Dichloroethane	3.611	63	46716	18.400	ug/l	97
25) 2-Butanone	4.556	43	110517	96.254	ug/l	98
26) 2,2-Dichloropropane	4.477	77	30061	15.610	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	29917	17.999	ug/l	99
28) Bromochloromethane	4.897	49	19737	17.250	ug/l	99
29) Tetrahydrofuran	5.007	42	70035	95.937	ug/l	99
30) Chloroform	5.092	83	50041	17.970	ug/l	96
31) Cyclohexane	5.470	56	41398	19.941	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	43264	17.851	ug/l	99
36) 1,1-Dichloropropene	5.690	75	35003	18.478	ug/l	97
37) Ethyl Acetate	4.714	43	41397	19.670	ug/l	100
38) Carbon Tetrachloride	5.678	117	36357	16.496	ug/l	95
39) Methylcyclohexane	7.379	83	43880	20.702	ug/l	98
40) Benzene	6.037	78	106389	18.828	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22042	18.925	ug/l	98
42) 1,2-Dichloroethane	6.086	62	41016	19.098	ug/l	100
43) Isopropyl Acetate	6.342	43	62051	18.300	ug/l	99
44) Trichloroethene	7.123	130	29546	18.781	ug/l	99
45) 1,2-Dichloropropane	7.433	63	26608	18.682	ug/l	98
46) Dibromomethane	7.580	93	20721	18.688	ug/l	99
47) Bromodichloromethane	7.824	83	37255	17.048	ug/l	93
48) Methyl methacrylate	7.696	41	31286	19.594	ug/l	98
49) 1,4-Dioxane	7.659	88	13669	392.127	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	216005	97.315	ug/l	100
52) Toluene	8.720	92	71364	19.821	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	33867	16.258	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	40033	17.565	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	28817	18.664	ug/l	97
56) Ethyl methacrylate	9.116	69	42065	18.970	ug/l	98
57) 1,3-Dichloropropane	9.311	76	49675	19.614	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	100914	102.981	ug/l	99
59) 2-Hexanone	9.433	43	165373	98.332	ug/l	99
60) Dibromochloromethane	9.525	129	29084	16.596	ug/l	98
61) 1,2-Dibromoethane	9.610	107	30743	18.363	ug/l	100
64) Tetrachloroethene	9.275	164	30109	20.073	ug/l	97
65) Chlorobenzene	10.079	112	77696	19.821	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	26992	17.634	ug/l	99
67) Ethyl Benzene	10.195	91	132958	20.058	ug/l	98
68) m/p-Xylenes	10.305	106	104959	40.693	ug/l	99
69) o-Xylene	10.646	106	52035	20.507	ug/l	98
70) Styrene	10.659	104	83680	19.819	ug/l	98
71) Bromoform	10.805	173	18940	15.021	ug/l #	100
73) Isopropylbenzene	10.963	105	132586	19.559	ug/l	99
74) N-amyl acetate	10.848	43	50741	18.610	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	44799	18.961	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	37474m	17.511	ug/l	
77) Bromobenzene	11.201	156	32852	18.893	ug/l	99
78) n-propylbenzene	11.305	91	151097	19.706	ug/l	100
79) 2-Chlorotoluene	11.366	91	91730	18.813	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	112338	19.981	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	8553	12.391	ug/l #	75
82) 4-Chlorotoluene	11.457	91	105764	19.370	ug/l	100
83) tert-Butylbenzene	11.719	119	110471	20.046	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	113550	20.218	ug/l	100
85) sec-Butylbenzene	11.890	105	139169	21.010	ug/l	99
86) p-Isopropyltoluene	12.012	119	116974	21.028	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	62842	19.397	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	62854	19.002	ug/l	99
89) n-Butylbenzene	12.335	91	95387	20.556	ug/l	99
90) Hexachloroethane	12.542	117	16337	14.943	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	62447	20.183	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8661	16.313	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	34113	20.434	ug/l	99
94) Hexachlorobutadiene	13.725	225	14505	22.039	ug/l	98
95) Naphthalene	13.780	128	114733	19.527	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	34861	20.751	ug/l	98

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

