

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033178.D
 Acq On : 02 Dec 2022 12:17
 Operator : JC/MD
 Sample : VX1202WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1202WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2022
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 03 04:30:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	126670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	199527	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60276	48.611	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.220%		
35) Dibromofluoromethane	5.385	113	52213	46.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.840%		
50) Toluene-d8	8.647	98	151281	44.459	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.920%#		
62) 4-Bromofluorobenzene	11.079	95	68905	46.632	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	15261	15.770	ug/l	97
3) Chloromethane	1.294	50	17364	16.621	ug/l	100
4) Vinyl Chloride	1.374	62	20443	17.574	ug/l	100
5) Bromomethane	1.618	94	14938	17.317	ug/l	97
6) Chloroethane	1.691	64	17018	17.970	ug/l	95
7) Trichlorofluoromethane	1.892	101	42757	18.938	ug/l	99
8) Diethyl Ether	2.130	74	14428	20.299	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	22985	19.370	ug/l	98
10) Methyl Iodide	2.453	142	20189	14.862	ug/l	99
11) Tert butyl alcohol	3.001	59	21342	109.141	ug/l #	85
12) 1,1-Dichloroethene	2.325	96	20803	18.819	ug/l	99
13) Acrolein	2.239	56	20982	93.414	ug/l	96
14) Allyl chloride	2.666	41	33737	18.904	ug/l	99
15) Acrylonitrile	3.069	53	55811	100.906	ug/l	98
16) Acetone	2.392	43	61044	105.960	ug/l	96
17) Carbon Disulfide	2.514	76	47615	15.591	ug/l	99
18) Methyl Acetate	2.709	43	32417	20.327	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	76177	19.871	ug/l	100
20) Methylene Chloride	2.794	84	24618	19.752	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	22745	17.988	ug/l	95
22) Diisopropyl ether	3.757	45	75556	19.443	ug/l #	83
23) Vinyl Acetate	3.721	43	292591	96.190	ug/l	99
24) 1,1-Dichloroethane	3.611	63	43610	19.611	ug/l	100
25) 2-Butanone	4.562	43	81082	102.067	ug/l	98
26) 2,2-Dichloropropane	4.483	77	34921	19.531	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	27798	19.349	ug/l	99
28) Bromochloromethane	4.897	49	19507	19.964	ug/l	98
29) Tetrahydrofuran	5.013	42	49229	97.661	ug/l	99
30) Chloroform	5.093	83	49494	19.873	ug/l	98
31) Cyclohexane	5.477	56	36283	18.153	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	43093	19.321	ug/l	99
36) 1,1-Dichloropropene	5.696	75	33315	18.523	ug/l	98
37) Ethyl Acetate	4.715	43	32002	20.394	ug/l	98
38) Carbon Tetrachloride	5.678	117	37961	19.026	ug/l	98
39) Methylcyclohexane	7.385	83	37081	18.069	ug/l	98
40) Benzene	6.037	78	96954	19.226	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17349	19.649	ug/l	99
42) 1,2-Dichloroethane	6.092	62	41491	20.434	ug/l	100
43) Isopropyl Acetate	6.336	43	51267	19.755	ug/l	99
44) Trichloroethene	7.129	130	27373	19.344	ug/l	95
45) 1,2-Dichloropropane	7.434	63	24804	19.903	ug/l	100
46) Dibromomethane	7.586	93	18932	19.469	ug/l	100
47) Bromodichloromethane	7.824	83	37519	19.967	ug/l	98
48) Methyl methacrylate	7.696	41	26245	19.647	ug/l	98
49) 1,4-Dioxane	7.708	88	11320	460.363	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	164453	102.696	ug/l	100
52) Toluene	8.720	92	63374	19.102	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	36197	18.902	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	39216	19.360	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	26073	19.303	ug/l	96
56) Ethyl methacrylate	9.116	69	37085	19.927	ug/l	97
57) 1,3-Dichloropropane	9.311	76	43112	19.771	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	88019	99.596	ug/l	99
59) 2-Hexanone	9.427	43	124652	105.374	ug/l	99
60) Dibromochloromethane	9.519	129	28882	19.860	ug/l	100
61) 1,2-Dibromoethane	9.610	107	27262	19.122	ug/l	99
64) Tetrachloroethene	9.275	164	22852	17.823	ug/l	95
65) Chlorobenzene	10.079	112	71263	19.733	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	26600	20.103	ug/l	99
67) Ethyl Benzene	10.195	91	126835	19.799	ug/l	99
68) m/p-Xylenes	10.299	106	96802	38.589	ug/l	99
69) o-Xylene	10.640	106	47815	19.700	ug/l	99
70) Styrene	10.653	104	79357	19.985	ug/l	100
71) Bromoform	10.799	173	19957	19.671	ug/l #	98
73) Isopropylbenzene	10.963	105	129921	19.664	ug/l	99
74) N-amyl acetate	10.842	43	44704	19.890	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	40283	20.201	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	35729m	20.405	ug/l	
77) Bromobenzene	11.201	156	31013	19.086	ug/l	98
78) n-propylbenzene	11.305	91	146178	19.351	ug/l	99
79) 2-Chlorotoluene	11.366	91	89619	19.533	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	109094	19.655	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10226	18.983	ug/l	95
82) 4-Chlorotoluene	11.457	91	103340	19.221	ug/l	100
83) tert-Butylbenzene	11.713	119	108727	19.680	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	110564	19.978	ug/l	100
85) sec-Butylbenzene	11.890	105	130802	19.789	ug/l	100
86) p-Isopropyltoluene	12.012	119	110721	19.771	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	58700	19.260	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	60127	19.264	ug/l	100
89) n-Butylbenzene	12.335	91	94057	19.496	ug/l	99
90) Hexachloroethane	12.536	117	17935	19.494	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	58844	19.848	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8282	20.816	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	34768	19.025	ug/l	99
94) Hexachlorobutadiene	13.725	225	14679	18.206	ug/l	98
95) Naphthalene	13.774	128	116562	19.716	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	35831	19.551	ug/l	99

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

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