

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110222\
 Data File : VX032529.D
 Acq On : 02 Nov 2022 11:43
 Operator : JC/MD
 Sample : VX1102WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1102WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/03/2022
 Supervised By : Mahesh Dadoda 11/03/2022

Quant Time: Nov 03 03:08:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	107429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170324	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76374	51.165	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.320%			
35) Dibromofluoromethane	5.391	113	61000	50.208	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.420%			
50) Toluene-d8	8.653	98	208984	49.468	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.940%			
62) 4-Bromofluorobenzene	11.079	95	81512	49.394	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26695	21.545	ug/l	95
3) Chloromethane	1.294	50	22159	21.147	ug/l	96
4) Vinyl Chloride	1.374	62	24536	21.276	ug/l	98
5) Bromomethane	1.605	94	24024	26.068	ug/l	97
6) Chloroethane	1.684	64	16148	20.873	ug/l	96
7) Trichlorofluoromethane	1.886	101	46626	21.338	ug/l	98
8) Diethyl Ether	2.136	74	15323	21.639	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	24896	21.587	ug/l	99
10) Methyl Iodide	2.453	142	25168	20.784	ug/l	98
11) Tert butyl alcohol	2.965	59	22191	102.140	ug/l	99
12) 1,1-Dichloroethene	2.318	96	22157	20.566	ug/l	90
13) Acrolein	2.233	56	27774	128.054	ug/l	98
14) Allyl chloride	2.666	41	36940	21.509	ug/l	99
15) Acrylonitrile	3.062	53	60663	102.883	ug/l	100
16) Acetone	2.379	43	55738	102.738	ug/l	98
17) Carbon Disulfide	2.514	76	51437	20.045	ug/l	99
18) Methyl Acetate	2.703	43	38698	21.935	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	80665	21.303	ug/l	100
20) Methylene Chloride	2.788	84	25969	20.877	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	24080	20.534	ug/l	98
22) Diisopropyl ether	3.763	45	76497	20.593	ug/l	95
23) Vinyl Acetate	3.721	43	308990	102.955	ug/l	99
24) 1,1-Dichloroethane	3.611	63	44730	20.934	ug/l	100
25) 2-Butanone	4.556	43	84293	100.286	ug/l	100
26) 2,2-Dichloropropane	4.477	77	37623	22.151	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	28827	21.266	ug/l	99
28) Bromochloromethane	4.897	49	15595	20.490	ug/l	99
29) Tetrahydrofuran	5.001	42	53611	100.026	ug/l	99
30) Chloroform	5.092	83	49829	21.253	ug/l	99
31) Cyclohexane	5.470	56	37163	20.534	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	45145	21.457	ug/l	99
36) 1,1-Dichloropropene	5.696	75	35727	21.117	ug/l	98
37) Ethyl Acetate	4.714	43	33442	18.990	ug/l	99
38) Carbon Tetrachloride	5.684	117	39346	20.968	ug/l	99
39) Methylcyclohexane	7.385	83	41531	20.747	ug/l	97
40) Benzene	6.043	78	100897	21.074	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18218	20.307	ug/l	99
42) 1,2-Dichloroethane	6.092	62	41735	21.325	ug/l	100
43) Isopropyl Acetate	6.342	43	56192	20.781	ug/l	99
44) Trichloroethene	7.129	130	27942	20.732	ug/l	98
45) 1,2-Dichloropropane	7.433	63	25787	20.982	ug/l	100
46) Dibromomethane	7.586	93	20023	21.244	ug/l	99
47) Bromodichloromethane	7.824	83	38493	21.548	ug/l	96
48) Methyl methacrylate	7.696	41	28466	20.384	ug/l	98
49) 1,4-Dioxane	7.671	88	11064	415.727	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	177971	104.495	ug/l	99
52) Toluene	8.720	92	64608	20.684	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	37679	20.673	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	41091	21.078	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	27428	20.850	ug/l	97
56) Ethyl methacrylate	9.116	69	39311	20.766	ug/l	98
57) 1,3-Dichloropropane	9.311	76	44362	20.882	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	97800	107.291	ug/l	99
59) 2-Hexanone	9.433	43	131223	103.835	ug/l	100
60) Dibromochloromethane	9.525	129	30184	21.007	ug/l	100
61) 1,2-Dibromoethane	9.610	107	28843	20.693	ug/l	100
64) Tetrachloroethene	9.275	164	23948	21.263	ug/l	98
65) Chlorobenzene	10.079	112	71890	20.856	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	27240	20.997	ug/l	100
67) Ethyl Benzene	10.195	91	128792	20.894	ug/l	99
68) m/p-Xylenes	10.305	106	100318	41.912	ug/l	100
69) o-Xylene	10.646	106	48847	20.990	ug/l	100
70) Styrene	10.658	104	80179	20.731	ug/l	98
71) Bromoform	10.799	173	21498	20.959	ug/l #	99
73) Isopropylbenzene	10.963	105	131200	20.816	ug/l	99
74) N-amyl acetate	10.841	43	49180	20.651	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42283	20.900	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	36864m	20.832	ug/l	
77) Bromobenzene	11.201	156	32468	21.012	ug/l	99
78) n-propylbenzene	11.305	91	149203	20.546	ug/l	100
79) 2-Chlorotoluene	11.366	91	91224	20.976	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	112537	20.891	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11090	19.942	ug/l	97
82) 4-Chlorotoluene	11.457	91	104387	20.513	ug/l	100
83) tert-Butylbenzene	11.713	119	113527	21.109	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	111976	20.900	ug/l	100
85) sec-Butylbenzene	11.890	105	136210	21.048	ug/l	99
86) p-Isopropyltoluene	12.012	119	117177	21.339	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	60813	20.863	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	60719	20.079	ug/l	99
89) n-Butylbenzene	12.335	91	98033	20.521	ug/l	99
90) Hexachloroethane	12.542	117	19468	21.705	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	60574	21.076	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9159	20.647	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	37462	19.990	ug/l	99
94) Hexachlorobutadiene	13.725	225	16294	20.819	ug/l	99
95) Naphthalene	13.774	128	129079	20.671	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	39476	20.723	ug/l	98

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

