

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110922\
 Data File : VX032700.D
 Acq On : 10 Nov 2022 02:36
 Operator : JC/MD
 Sample : VX1109WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2022
 Supervised By : Mahesh Dadoda 11/10/2022

Quant Time: Nov 10 03:09:01 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	104775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	165308	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72817	50.018	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.040%			
35) Dibromofluoromethane	5.385	113	58557	49.660	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.320%			
50) Toluene-d8	8.647	98	193687	47.238	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.480%			
62) 4-Bromofluorobenzene	11.079	95	80057	49.985	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22902	18.952	ug/l	98
3) Chloromethane	1.294	50	18554	18.155	ug/l	100
4) Vinyl Chloride	1.374	62	21649	19.248	ug/l	98
5) Bromomethane	1.618	94	15186	16.895	ug/l	97
6) Chloroethane	1.691	64	17961	23.804	ug/l	96
7) Trichlorofluoromethane	1.892	101	41980	19.699	ug/l	100
8) Diethyl Ether	2.136	74	13446	19.470	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	22722	20.201	ug/l	100
10) Methyl Iodide	2.453	142	17282	15.200	ug/l	98
11) Tert butyl alcohol	2.995	59	22798m	107.592	ug/l	
12) 1,1-Dichloroethene	2.325	96	20329	19.347	ug/l	95
13) Acrolein	2.239	56	11728	55.443	ug/l	98
14) Allyl chloride	2.666	41	32576	19.449	ug/l	98
15) Acrylonitrile	3.068	53	53339	92.753	ug/l	99
16) Acetone	2.392	43	47104	89.023	ug/l	98
17) Carbon Disulfide	2.514	76	41471	16.570	ug/l	100
18) Methyl Acetate	2.709	43	35034	20.361	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	75545	20.456	ug/l	98
20) Methylene Chloride	2.788	84	24858	20.490	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	21920	19.165	ug/l	97
22) Diisopropyl ether	3.757	45	74069	20.444	ug/l #	82
23) Vinyl Acetate	3.721	43	282199	96.410	ug/l	99
24) 1,1-Dichloroethane	3.611	63	42753	20.516	ug/l	99
25) 2-Butanone	4.568	43	73189	89.281	ug/l	98
26) 2,2-Dichloropropane	4.477	77	29256	17.661	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	27198	20.573	ug/l	100
28) Bromochloromethane	4.897	49	14105	19.002	ug/l	98
29) Tetrahydrofuran	5.013	42	45948	87.900	ug/l	99
30) Chloroform	5.099	83	48176	21.068	ug/l	98
31) Cyclohexane	5.471	56	34378	19.476	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	42221	20.576	ug/l	99
36) 1,1-Dichloropropene	5.696	75	31972	19.471	ug/l	98
37) Ethyl Acetate	4.715	43	29458	17.235	ug/l	98
38) Carbon Tetrachloride	5.678	117	36642	20.119	ug/l	95
39) Methylcyclohexane	7.385	83	36393	18.732	ug/l	95
40) Benzene	6.044	78	94486	20.334	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17472	20.066	ug/l	96
42) 1,2-Dichloroethane	6.092	62	40537	21.341	ug/l	99
43) Isopropyl Acetate	6.342	43	50167	19.116	ug/l	98
44) Trichloroethene	7.129	130	26016	19.889	ug/l	96
45) 1,2-Dichloropropane	7.434	63	24335	20.401	ug/l	99
46) Dibromomethane	7.586	93	18144	19.834	ug/l	99
47) Bromodichloromethane	7.824	83	35584	20.524	ug/l	97
48) Methyl methacrylate	7.696	41	25845	19.069	ug/l	98
49) 1,4-Dioxane	7.696	88	9169	354.977	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	157135	95.060	ug/l	98
52) Toluene	8.720	92	61187	20.183	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	33787	19.100	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	37254	19.690	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	25984	20.352	ug/l	96
56) Ethyl methacrylate	9.116	69	36154	19.678	ug/l	97
57) 1,3-Dichloropropane	9.311	76	41728	20.239	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	86550	97.831	ug/l	100
59) 2-Hexanone	9.433	43	115120	93.857	ug/l	99
60) Dibromochloromethane	9.525	129	27098	19.432	ug/l	99
61) 1,2-Dibromoethane	9.610	107	26528	19.610	ug/l	99
64) Tetrachloroethene	9.275	164	22049	20.101	ug/l	97
65) Chlorobenzene	10.079	112	68565	20.424	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	25576	20.243	ug/l	97
67) Ethyl Benzene	10.195	91	122887	20.470	ug/l	98
68) m/p-Xylenes	10.305	106	94909	40.715	ug/l	100
69) o-Xylene	10.640	106	46922	20.703	ug/l	100
70) Styrene	10.653	104	76608	20.338	ug/l	99
71) Bromoform	10.799	173	18937	18.957	ug/l #	98
73) Isopropylbenzene	10.963	105	124486	19.983	ug/l	100
74) N-amyl acetate	10.842	43	45012	19.123	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	38460	19.234	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	34126m	19.512	ug/l	
77) Bromobenzene	11.201	156	30726	20.119	ug/l	99
78) n-propylbenzene	11.305	91	141236	19.678	ug/l	100
79) 2-Chlorotoluene	11.366	91	86006	20.009	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	107938	20.273	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8674	15.781	ug/l	92
82) 4-Chlorotoluene	11.457	91	100729	20.027	ug/l	100
83) tert-Butylbenzene	11.713	119	106712	20.076	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	108422	20.475	ug/l	100
85) sec-Butylbenzene	11.890	105	126957	19.850	ug/l	100
86) p-Isopropyltoluene	12.012	119	107723	19.849	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	57467	19.947	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	59837	20.021	ug/l	98
89) n-Butylbenzene	12.335	91	89286	18.910	ug/l	99
90) Hexachloroethane	12.536	117	16466	18.575	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	57778	20.340	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7964	18.165	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	34288	18.512	ug/l	99
94) Hexachlorobutadiene	13.725	225	14893	19.253	ug/l	97
95) Naphthalene	13.774	128	116525	18.881	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	36009	19.125	ug/l	99

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

