

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032356.D
 Acq On : 25 Oct 2022 11:53
 Operator : JC/MD
 Sample : VX1025WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 14:16:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	127469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83376	50.280	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.560%			
35) Dibromofluoromethane	5.385	113	67982	49.106	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.220%			
50) Toluene-d8	8.647	98	238786	47.916	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.840%			
62) 4-Bromofluorobenzene	11.079	95	90026	49.334	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	21017	18.022	ug/l	99
3) Chloromethane	1.295	50	19678	16.145	ug/l	90
4) Vinyl Chloride	1.374	62	22752	18.115	ug/l	96
5) Bromomethane	1.612	94	22272	16.937	ug/l	99
6) Chloroethane	1.685	64	14516	13.345	ug/l	99
7) Trichlorofluoromethane	1.886	101	43860	19.644	ug/l	100
8) Diethyl Ether	2.130	74	14684	19.353	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	24219	20.007	ug/l	100
10) Methyl Iodide	2.453	142	21934	12.539	ug/l	97
11) Tert butyl alcohol	2.965	59	22380	80.141	ug/l	97
12) 1,1-Dichloroethene	2.319	96	21443	18.847	ug/l	99
13) Acrolein	2.233	56	18185	90.086	ug/l	100
14) Allyl chloride	2.666	41	35627	19.937	ug/l	99
15) Acrylonitrile	3.063	53	62569	100.606	ug/l	100
16) Acetone	2.380	43	61062	113.470	ug/l	100
17) Carbon Disulfide	2.514	76	46687	17.528	ug/l	99
18) Methyl Acetate	2.703	43	38399	21.018	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	79687	20.325	ug/l	95
20) Methylene Chloride	2.794	84	26912	19.477	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	23031	18.585	ug/l	95
22) Diisopropyl ether	3.758	45	77682	19.852	ug/l	96
23) Vinyl Acetate	3.721	43	308269	98.565	ug/l	99
24) 1,1-Dichloroethane	3.611	63	45527	20.136	ug/l	99
25) 2-Butanone	4.556	43	87719	104.406	ug/l	98
26) 2,2-Dichloropropane	4.477	77	36747	22.559	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	28404	19.576	ug/l	96
28) Bromochloromethane	4.898	49	18245	19.559	ug/l	99
29) Tetrahydrofuran	5.007	42	53657	98.881	ug/l	98
30) Chloroform	5.093	83	49447	20.093	ug/l	96
31) Cyclohexane	5.471	56	35880	18.927	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	43957	20.947	ug/l	98
36) 1,1-Dichloropropene	5.696	75	33875	19.022	ug/l	100
37) Ethyl Acetate	4.715	43	34488	19.780	ug/l	100
38) Carbon Tetrachloride	5.678	117	38646	20.557	ug/l	97
39) Methylcyclohexane	7.385	83	41540	19.526	ug/l	99
40) Benzene	6.038	78	98325	19.050	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18973	20.636	ug/l	98
42) 1,2-Dichloroethane	6.086	62	41326	20.903	ug/l	98
43) Isopropyl Acetate	6.342	43	55918	20.433	ug/l	99
44) Trichloroethene	7.129	130	26935	18.951	ug/l	98
45) 1,2-Dichloropropane	7.428	63	26010	19.976	ug/l	97
46) Dibromomethane	7.586	93	19239	19.811	ug/l	98
47) Bromodichloromethane	7.824	83	37899	21.126	ug/l	99
48) Methyl methacrylate	7.696	41	28107	20.594	ug/l	98
49) 1,4-Dioxane	7.678	88	10999	401.562	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	179047	104.372	ug/l	100
52) Toluene	8.720	92	64350	19.246	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	37122	19.514	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	40767	20.395	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	27099	19.952	ug/l	98
56) Ethyl methacrylate	9.116	69	39087	19.981	ug/l	99
57) 1,3-Dichloropropane	9.311	76	44375	20.170	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	85083	94.893	ug/l	100
59) 2-Hexanone	9.433	43	135253	105.665	ug/l	99
60) Dibromochloromethane	9.525	129	30084	21.611	ug/l	100
61) 1,2-Dibromoethane	9.610	107	28196	19.583	ug/l	100
64) Tetrachloroethene	9.275	164	22847	19.534	ug/l	95
65) Chlorobenzene	10.080	112	71294	19.632	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	27065	20.828	ug/l	99
67) Ethyl Benzene	10.195	91	127074	19.764	ug/l	98
68) m/p-Xylenes	10.305	106	98218	38.682	ug/l	97
69) o-Xylene	10.640	106	48925	20.113	ug/l	98
70) Styrene	10.659	104	78828	19.217	ug/l	98
71) Bromoform	10.799	173	21624	20.916	ug/l #	99
73) Isopropylbenzene	10.964	105	130885	20.201	ug/l	100
74) N-amyl acetate	10.842	43	49684	20.757	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	43008	20.648	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	36485m	20.279	ug/l	
77) Bromobenzene	11.201	156	31819	20.036	ug/l	99
78) n-propylbenzene	11.305	91	150241	20.251	ug/l	99
79) 2-Chlorotoluene	11.366	91	88916	19.887	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	113071	20.205	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10865	20.699	ug/l	96
82) 4-Chlorotoluene	11.457	91	104382	20.052	ug/l	100
83) tert-Butylbenzene	11.713	119	113581	20.285	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	113109	20.789	ug/l	99
85) sec-Butylbenzene	11.890	105	138172	20.419	ug/l	100
86) p-Isopropyltoluene	12.012	119	118606	20.599	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	60065	19.651	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	61365	19.544	ug/l	98
89) n-Butylbenzene	12.335	91	101888	20.091	ug/l	99
90) Hexachloroethane	12.543	117	18641	20.864	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	61206	20.397	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9083	22.824	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	38783	19.853	ug/l	98
94) Hexachlorobutadiene	13.725	225	16374	19.313	ug/l	99
95) Naphthalene	13.774	128	128674	20.566	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	39533	20.120	ug/l	99

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

