

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
 Data File : VX033060.D
 Acq On : 25 Nov 2022 12:11
 Operator : JC/MD
 Sample : VX1125WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/28/2022
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 28 00:44:52 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	5.549	168	134550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	211112	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66268	50.430	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.860%			
35) Dibromofluoromethane	5.385	113	56736	47.670	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.340%			
50) Toluene-d8	8.646	98	175072	48.839	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.680%			
62) 4-Bromofluorobenzene	11.079	95	75617	48.367	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	19093	18.574	ug/l	99
3) Chloromethane	1.294	50	19696	17.749	ug/l	96
4) Vinyl Chloride	1.373	62	22804	18.455	ug/l	100
5) Bromomethane	1.617	94	14311	15.619	ug/l	96
6) Chloroethane	1.690	64	18602	18.493	ug/l	97
7) Trichlorofluoromethane	1.892	101	46580	19.423	ug/l	99
8) Diethyl Ether	2.135	74	15080	19.973	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	25000	19.834	ug/l	100
10) Methyl Iodide	2.452	142	16920	11.726	ug/l	99
11) Tert butyl alcohol	3.013	59	23451m	112.902	ug/l	
12) 1,1-Dichloroethene	2.324	96	23110	19.682	ug/l	96
13) Acrolein	2.239	56	24082	100.936	ug/l	98
14) Allyl chloride	2.666	41	36953	19.494	ug/l	98
15) Acrylonitrile	3.068	53	59022	100.462	ug/l	98
16) Acetone	2.398	43	64382	105.209	ug/l	97
17) Carbon Disulfide	2.513	76	57723	17.794	ug/l	98
18) Methyl Acetate	2.708	43	34336	20.270	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	81816	20.092	ug/l	97
20) Methylene Chloride	2.788	84	26258	19.839	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	24849	18.501	ug/l	98
22) Diisopropyl ether	3.757	45	80471	19.495	ug/l #	86
23) Vinyl Acetate	3.720	43	318409	98.547	ug/l	100
24) 1,1-Dichloroethane	3.611	63	45696	19.346	ug/l	99
25) 2-Butanone	4.568	43	87470	103.660	ug/l	98
26) 2,2-Dichloropropane	4.476	77	38009	20.013	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	29494	19.327	ug/l	98
28) Bromochloromethane	4.897	49	20948	20.183	ug/l	100
29) Tetrahydrofuran	5.013	42	51420	96.034	ug/l	98
30) Chloroform	5.092	83	52682	19.914	ug/l	98
31) Cyclohexane	5.470	56	39796	18.744	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	46931	19.809	ug/l	100
36) 1,1-Dichloropropene	5.690	75	36831	19.354	ug/l	99
37) Ethyl Acetate	4.714	43	32199	19.394	ug/l	99
38) Carbon Tetrachloride	5.677	117	42153	19.967	ug/l	99
39) Methylcyclohexane	7.378	83	41618	19.167	ug/l	99
40) Benzene	6.037	78	104168	19.523	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	19414	20.781	ug/l	95
42) 1,2-Dichloroethane	6.086	62	43134	20.078	ug/l	100
43) Isopropyl Acetate	6.336	43	56084	20.425	ug/l	99
44) Trichloroethene	7.128	130	29376	19.620	ug/l	99
45) 1,2-Dichloropropane	7.427	63	26135	19.820	ug/l	99
46) Dibromomethane	7.580	93	20410	19.837	ug/l	100
47) Bromodichloromethane	7.823	83	39922	20.080	ug/l	98
48) Methyl methacrylate	7.695	41	28247	19.986	ug/l	99
49) 1,4-Dioxane	7.714	88	11837	454.971	ug/l #	76
51) 4-Methyl-2-Pentanone	8.573	43	175064	103.323	ug/l	99
52) Toluene	8.720	92	68804	19.600	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	39624	19.503	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	42639	19.894	ug/l	96
55) 1,1,2-Trichloroethane	9.152	97	27900	19.522	ug/l	99
56) Ethyl methacrylate	9.116	69	39877	20.251	ug/l	98
57) 1,3-Dichloropropane	9.311	76	45127	19.559	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	90292	96.562	ug/l	99
59) 2-Hexanone	9.427	43	133004	106.264	ug/l	99
60) Dibromochloromethane	9.518	129	30955	20.118	ug/l	100
61) 1,2-Dibromoethane	9.610	107	30144	19.983	ug/l	99
64) Tetrachloroethene	9.274	164	25685	19.185	ug/l	99
65) Chlorobenzene	10.079	112	75653	20.062	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	28692	20.766	ug/l	99
67) Ethyl Benzene	10.195	91	136155	20.355	ug/l	98
68) m/p-Xylenes	10.299	106	105633	40.327	ug/l	99
69) o-Xylene	10.640	106	51217	20.208	ug/l	99
70) Styrene	10.658	104	84084	20.279	ug/l	100
71) Bromoform	10.799	173	22659	21.389	ug/l #	99
73) Isopropylbenzene	10.963	105	137180	19.824	ug/l	100
74) N-amyl acetate	10.841	43	49377	20.975	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	41819	20.023	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	38151m	20.802	ug/l	
77) Bromobenzene	11.195	156	33639	19.766	ug/l	99
78) n-propylbenzene	11.305	91	157742	19.937	ug/l	100
79) 2-Chlorotoluene	11.365	91	95074	19.785	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	116636	20.064	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11060	19.602	ug/l	96
82) 4-Chlorotoluene	11.457	91	111709	19.837	ug/l	100
83) tert-Butylbenzene	11.713	119	117623	20.327	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	117565	20.282	ug/l	99
85) sec-Butylbenzene	11.890	105	141113	20.383	ug/l	99
86) p-Isopropyltoluene	12.012	119	118560	20.213	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	62671	19.633	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	64618	19.766	ug/l	99
89) n-Butylbenzene	12.335	91	100897	19.968	ug/l	99
90) Hexachloroethane	12.536	117	19377	20.108	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	62144	20.013	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	8823	21.173	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	36846	19.250	ug/l	99
94) Hexachlorobutadiene	13.725	225	16965	20.090	ug/l	99
95) Naphthalene	13.774	128	123559	19.954	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	37442	19.506	ug/l	98

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

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