

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052223\
 Data File : VX035777.D
 Acq On : 22 May 2023 12:12
 Operator : JC/MD
 Sample : VX0522WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2023
 Supervised By : Mahesh Dadoda 05/23/2023

Quant Time: May 23 06:08:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	211086	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.756	114	366962	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	327595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150832	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	181111	49.182	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.360%
35) Dibromofluoromethane	5.385	113	122758	49.604	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.200%
50) Toluene-d8	8.646	98	445763	48.757	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.520%
62) 4-Bromofluorobenzene	11.079	95	180115	48.929	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.860%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	53654	19.504	ug/l	95
3) Chloromethane	1.294	50	52071	15.597	ug/l	99
4) Vinyl Chloride	1.373	62	49884	17.607	ug/l	100
5) Bromomethane	1.617	94	29954	19.521	ug/l	99
6) Chloroethane	1.690	64	28331	16.483	ug/l	100
7) Trichlorofluoromethane	1.885	101	76822	18.441	ug/l	99
8) Diethyl Ether	2.129	74	27258	16.994	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.330	101	48722	19.699	ug/l	96
10) Methyl Iodide	2.452	142	44347	20.047	ug/l	89
11) Tert butyl alcohol	3.032	59	55888m	86.023	ug/l	
12) 1,1-Dichloroethene	2.318	96	43146	18.354	ug/l	88
13) Acrolein	2.245	56	62157	80.608	ug/l	98
14) Allyl chloride	2.666	41	87828	17.440	ug/l	92
15) Acrylonitrile	3.068	53	134203	93.807	ug/l	98
16) Acetone	2.404	43	147148	92.972	ug/l	91
17) Carbon Disulfide	2.513	76	91892	16.197	ug/l	100
18) Methyl Acetate	2.708	43	116432	19.947	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	172005	18.388	ug/l	97
20) Methylene Chloride	2.788	84	51763	18.046	ug/l	94
21) trans-1,2-Dichloroethene	3.092	96	46970	18.235	ug/l	92
22) Diisopropyl ether	3.757	45	184656	18.727	ug/l	99
23) Vinyl Acetate	3.720	43	641883	92.003	ug/l	96
24) 1,1-Dichloroethane	3.611	63	99176	18.807	ug/l	97
25) 2-Butanone	4.568	43	204281	93.238	ug/l	99
26) 2,2-Dichloropropane	4.470	77	78368	17.549	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	57549	18.585	ug/l	93
28) Bromochloromethane	4.897	49	49954	21.060	ug/l	93
29) Tetrahydrofuran	5.013	42	125711	91.287	ug/l	99
30) Chloroform	5.092	83	102082	18.891	ug/l	96
31) Cyclohexane	5.470	56	87236	18.750	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	87457	18.601	ug/l	98
36) 1,1-Dichloropropene	5.690	75	74271	19.013	ug/l	98
37) Ethyl Acetate	4.714	43	77232	18.955	ug/l	98
38) Carbon Tetrachloride	5.677	117	69645	18.821	ug/l	98
39) Methylcyclohexane	7.378	83	86992	18.918	ug/l	93
40) Benzene	6.037	78	207252	18.965	ug/l	99

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41) Methacrylonitrile	4.921	41	45988	19.010	ug/l	97
42) 1,2-Dichloroethane	6.086	62	92048	19.581	ug/l	96
43) Isopropyl Acetate	6.336	43	129782	18.267	ug/l	98
44) Trichloroethene	7.122	130	51560	18.607	ug/l	88
45) 1,2-Dichloropropane	7.427	63	55413	19.146	ug/l	98
46) Dibromomethane	7.579	93	37565	18.961	ug/l	95
47) Bromodichloromethane	7.817	83	71261	18.610	ug/l	98
48) Methyl methacrylate	7.689	41	65973	18.815	ug/l	96
49) 1,4-Dioxane	7.738	88	25677	341.857	ug/l #	76
51) 4-Methyl-2-Pentanone	8.573	43	404381	98.794	ug/l	97
52) Toluene	8.720	92	130634	18.937	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	75294	18.098	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	83394	18.709	ug/l	96
55) 1,1,2-Trichloroethane	9.152	97	52152	19.249	ug/l	97
56) Ethyl methacrylate	9.116	69	81607	18.599	ug/l	95
57) 1,3-Dichloropropane	9.305	76	94649	19.271	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	220129	98.622	ug/l	98
59) 2-Hexanone	9.433	43	300928	97.623	ug/l	97
60) Dibromochloromethane	9.518	129	46654	18.064	ug/l	99
61) 1,2-Dibromoethane	9.610	107	53491	18.739	ug/l	100
64) Tetrachloroethene	9.274	164	43203	19.589	ug/l	96
65) Chlorobenzene	10.079	112	138720	19.399	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.158	131	47015	18.594	ug/l	99
67) Ethyl Benzene	10.195	91	258848	19.246	ug/l	99
68) m/p-Xylenes	10.299	106	191789	38.579	ug/l	95
69) o-Xylene	10.640	106	92875	18.827	ug/l	93
70) Styrene	10.652	104	150366	18.913	ug/l	98
71) Bromoform	10.798	173	28700	17.251	ug/l #	96
73) Isopropylbenzene	10.963	105	249622	19.640	ug/l	99
74) N-amyl acetate	10.841	43	106969	18.051	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	77705	18.847	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	74214m	20.115	ug/l	
77) Bromobenzene	11.195	156	53725	18.624	ug/l	93
78) n-propylbenzene	11.304	91	297228	19.894	ug/l	97
79) 2-Chlorotoluene	11.365	91	179339	19.172	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	212005	19.626	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	17992	15.717	ug/l #	75
82) 4-Chlorotoluene	11.451	91	204760	19.007	ug/l	97
83) tert-Butylbenzene	11.713	119	197327	18.792	ug/l	94
84) 1,2,4-Trimethylbenzene	11.749	105	209012	19.270	ug/l	98
85) sec-Butylbenzene	11.890	105	255443	19.375	ug/l	98
86) p-Isopropyltoluene	12.006	119	213095	19.660	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	102337	18.674	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	102323	18.490	ug/l	97
89) n-Butylbenzene	12.335	91	192650	19.539	ug/l	96
90) Hexachloroethane	12.536	117	29759	18.115	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	98782	18.407	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	16313	17.768	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	58703	18.167	ug/l	96
94) Hexachlorobutadiene	13.725	225	22979	17.917	ug/l	98
95) Naphthalene	13.773	128	194906	17.614	ug/l	100
96) 1,2,3-Trichlorobenzene	13.962	180	56056	17.639	ug/l	99

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

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