

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051823\
 Data File : VX035735.D
 Acq On : 18 May 2023 12:13
 Operator : JC/MD
 Sample : VX0518WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2023
 Supervised By : Mahesh Dadoda 05/19/2023

Quant Time: May 19 05:45:39 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	5.544	168	205178	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	355612	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	314614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	176604	49.339	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.680%		
35) Dibromofluoromethane	5.379	113	122183	50.947	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.900%		
50) Toluene-d8	8.647	98	441092	49.786	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.580%		
62) 4-Bromofluorobenzene	11.079	95	183013	51.303	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.600%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	53727	20.092	ug/l	98
3) Chloromethane	1.294	50	55773	17.187	ug/l	98
4) Vinyl Chloride	1.374	62	54509	19.793	ug/l	97
5) Bromomethane	1.611	94	31290	20.979	ug/l	96
6) Chloroethane	1.691	64	32447	19.421	ug/l	98
7) Trichlorofluoromethane	1.886	101	81579	20.147	ug/l	98
8) Diethyl Ether	2.130	74	29491	18.915	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	46596	19.381	ug/l	95
10) Methyl Iodide	2.453	142	43962	20.446	ug/l	# 88
11) Tert butyl alcohol	3.008	59	55398m	87.724	ug/l	
12) 1,1-Dichloroethene	2.319	96	42049	18.403	ug/l	88
13) Acrolein	2.239	56	69548	92.791	ug/l	99
14) Allyl chloride	2.666	41	86066	17.582	ug/l	92
15) Acrylonitrile	3.062	53	131529	94.585	ug/l	98
16) Acetone	2.392	43	155355	100.984	ug/l	94
17) Carbon Disulfide	2.514	76	93982	17.043	ug/l	99
18) Methyl Acetate	2.703	43	111180	19.596	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	165837	18.239	ug/l	99
20) Methylene Chloride	2.788	84	50996	18.290	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	46298	18.492	ug/l	92
22) Diisopropyl ether	3.757	45	176769	18.444	ug/l	93
23) Vinyl Acetate	3.721	43	624624	92.107	ug/l	99
24) 1,1-Dichloroethane	3.605	63	95296	18.591	ug/l	97
25) 2-Butanone	4.562	43	200332	94.068	ug/l	97
26) 2,2-Dichloropropane	4.471	77	78410	18.064	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	55299	18.373	ug/l	94
28) Bromochloromethane	4.891	49	45847	19.885	ug/l	94
29) Tetrahydrofuran	5.013	42	122628	91.612	ug/l	99
30) Chloroform	5.086	83	95763	18.232	ug/l	97
31) Cyclohexane	5.471	56	85535	18.914	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	84115	18.405	ug/l	99
36) 1,1-Dichloropropene	5.690	75	73061	19.300	ug/l	97
37) Ethyl Acetate	4.708	43	74438	18.853	ug/l	99
38) Carbon Tetrachloride	5.672	117	66342	18.500	ug/l	96
39) Methylcyclohexane	7.379	83	86595	19.433	ug/l	92
40) Benzene	6.038	78	199869	18.873	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	42968	18.329	ug/l	96
42) 1,2-Dichloroethane	6.086	62	86813	19.057	ug/l	97
43) Isopropyl Acetate	6.336	43	125828	18.275	ug/l	99
44) Trichloroethene	7.123	130	50858	18.940	ug/l	99
45) 1,2-Dichloropropane	7.428	63	52240	18.626	ug/l	96
46) Dibromomethane	7.580	93	37062	19.304	ug/l	92
47) Bromodichloromethane	7.818	83	67096	18.081	ug/l	98
48) Methyl methacrylate	7.690	41	63029	18.549	ug/l	96
49) 1,4-Dioxane	7.714	88	24845	341.324	ug/l #	74
51) 4-Methyl-2-Pentanone	8.574	43	390430	98.430	ug/l	98
52) Toluene	8.714	92	125876	18.830	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	72529	17.990	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	79395	18.381	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	49659	18.914	ug/l	97
56) Ethyl methacrylate	9.116	69	78986	18.577	ug/l	95
57) 1,3-Dichloropropane	9.305	76	90391	18.991	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	202050	93.411	ug/l	98
59) 2-Hexanone	9.427	43	299932	100.405	ug/l	98
60) Dibromochloromethane	9.519	129	44072	17.609	ug/l	98
61) 1,2-Dibromoethane	9.610	107	52173	18.860	ug/l	99
64) Tetrachloroethene	9.275	164	40910	19.314	ug/l	98
65) Chlorobenzene	10.079	112	129189	18.811	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	44476	18.315	ug/l	99
67) Ethyl Benzene	10.195	91	248904	19.271	ug/l	96
68) m/p-Xylenes	10.299	106	184074	38.555	ug/l	94
69) o-Xylene	10.640	106	91639	19.343	ug/l	96
70) Styrene	10.653	104	145009	18.992	ug/l	97
71) Bromoform	10.799	173	26409	16.529	ug/l #	98
73) Isopropylbenzene	10.963	105	242599	19.258	ug/l	98
74) N-amyl acetate	10.842	43	105160	17.904	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	76592	18.743	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	72822m	19.915	ug/l	
77) Bromobenzene	11.195	156	52109	18.225	ug/l	90
78) n-propylbenzene	11.305	91	289086	19.522	ug/l	98
79) 2-Chlorotoluene	11.366	91	176911	19.082	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	208196	19.445	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	17965	15.834	ug/l #	78
82) 4-Chlorotoluene	11.451	91	205526	19.249	ug/l	97
83) tert-Butylbenzene	11.713	119	195437	18.779	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	206521	19.210	ug/l	97
85) sec-Butylbenzene	11.890	105	252674	19.337	ug/l	98
86) p-Isopropyltoluene	12.006	119	208860	19.442	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	100938	18.583	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	103019	18.783	ug/l	97
89) n-Butylbenzene	12.329	91	192486	19.697	ug/l	97
90) Hexachloroethane	12.536	117	28251	17.350	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	98398	18.500	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15604	17.148	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	59726	18.649	ug/l	98
94) Hexachlorobutadiene	13.725	225	25496	20.057	ug/l	97
95) Naphthalene	13.774	128	206344	18.814	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	59005	18.733	ug/l	98

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

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