

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050222\
 Data File : VX028471.D
 Acq On : 02 May 2022 14:29
 Operator : JC/MD
 Sample : VX0502WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 04:50:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	344697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	545124	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	506847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	267411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	217252	48.338	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.680%		
35) Dibromofluoromethane	5.385	113	198314	51.875	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.760%		
50) Toluene-d8	8.647	98	718825	48.956	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.920%		
62) 4-Bromofluorobenzene	11.079	95	273922	48.791	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	54042	24.287	ug/l	97
3) Chloromethane	1.294	50	52057	21.848	ug/l	99
4) Vinyl Chloride	1.374	62	64452	18.548	ug/l	99
5) Bromomethane	1.599	94	80711	21.385	ug/l	99
6) Chloroethane	1.684	64	46955	16.723	ug/l	96
7) Trichlorofluoromethane	1.886	101	119485	15.593	ug/l	96
8) Diethyl Ether	2.130	74	44119	17.113	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	63724	22.829	ug/l	98
10) Methyl Iodide	2.453	142	76293	23.128	ug/l	97
11) Tert butyl alcohol	2.953	59	84897	92.371	ug/l	96
12) 1,1-Dichloroethene	2.319	96	55516	20.957	ug/l	95
13) Acrolein	2.233	56	37544	68.160	ug/l	100
14) Allyl chloride	2.666	41	80608	18.134	ug/l	92
15) Acrylonitrile	3.062	53	177563	96.946	ug/l	99
16) Acetone	2.373	43	171166	123.985	ug/l	93
17) Carbon Disulfide	2.514	76	110566	15.499	ug/l	99
18) Methyl Acetate	2.703	43	78209	19.571	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	213865	19.360	ug/l	99
20) Methylene Chloride	2.788	84	68135	20.432	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	64689	17.956	ug/l	90
22) Diisopropyl ether	3.757	45	186139	18.385	ug/l #	81
23) Vinyl Acetate	3.721	43	805798	91.102	ug/l	100
24) 1,1-Dichloroethane	3.611	63	113237	18.942	ug/l	98
25) 2-Butanone	4.550	43	249802	93.848	ug/l	99
26) 2,2-Dichloropropane	4.477	77	97861	16.766	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	81283	18.922	ug/l	92
28) Bromochloromethane	4.897	49	56065	21.860	ug/l	88
29) Tetrahydrofuran	5.001	42	149480	86.127	ug/l	98
30) Chloroform	5.092	83	131632	18.335	ug/l	97
31) Cyclohexane	5.470	56	90741	16.571	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	114990	17.688	ug/l	98
36) 1,1-Dichloropropene	5.696	75	89310	17.910	ug/l	98
37) Ethyl Acetate	4.714	43	90759	17.937	ug/l	99
38) Carbon Tetrachloride	5.672	117	98939	17.576	ug/l	99
39) Methylcyclohexane	7.379	83	104032	16.534	ug/l	97
40) Benzene	6.037	78	271868	18.625	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	48431	18.552	ug/l	98
42) 1,2-Dichloroethane	6.086	62	98301	18.142	ug/l	100
43) Isopropyl Acetate	6.342	43	145315	17.646	ug/l	98
44) Trichloroethene	7.123	130	80347	18.981	ug/l	98
45) 1,2-Dichloropropane	7.427	63	67919	19.009	ug/l	96
46) Dibromomethane	7.580	93	52687	18.798	ug/l	99
47) Bromodichloromethane	7.824	83	97620	18.122	ug/l	98
48) Methyl methacrylate	7.689	41	68790	18.195	ug/l	94
49) 1,4-Dioxane	7.659	88	33863	334.803	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	488620	92.463	ug/l	97
52) Toluene	8.720	92	186018	18.343	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	97880	17.097	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	108858	17.707	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	80608	19.563	ug/l	97
56) Ethyl methacrylate	9.116	69	112451	18.827	ug/l #	95
57) 1,3-Dichloropropane	9.311	76	125894	18.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	284646	101.573	ug/l	94
59) 2-Hexanone	9.433	43	380386	92.926	ug/l	94
60) Dibromochloromethane	9.525	129	78987	17.584	ug/l	96
61) 1,2-Dibromoethane	9.610	107	82728	18.301	ug/l	98
64) Tetrachloroethene	9.275	164	79002	19.955	ug/l	98
65) Chlorobenzene	10.079	112	211418	19.564	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	77909	19.354	ug/l	99
67) Ethyl Benzene	10.195	91	353901	19.531	ug/l	97
68) m/p-Xylenes	10.305	106	286301	38.821	ug/l	96
69) o-Xylene	10.640	106	142821	19.424	ug/l	96
70) Styrene	10.658	104	233752	19.623	ug/l	99
71) Bromoform	10.799	173	57656	17.987	ug/l #	99
73) Isopropylbenzene	10.963	105	373328	20.312	ug/l	100
74) N-amyl acetate	10.841	43	123587	19.454	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	123093	20.638	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	109667m	20.838	ug/l	
77) Bromobenzene	11.201	156	94384	19.717	ug/l	92
78) n-propylbenzene	11.305	91	419195	20.568	ug/l	98
79) 2-Chlorotoluene	11.366	91	254837	20.112	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	310339	19.891	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	30691	17.330	ug/l	90
82) 4-Chlorotoluene	11.457	91	288251	19.749	ug/l	95
83) tert-Butylbenzene	11.713	119	315031	19.774	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	314361	20.269	ug/l	99
85) sec-Butylbenzene	11.890	105	380599	19.801	ug/l	98
86) p-Isopropyltoluene	12.012	119	326355	19.682	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	181060	20.130	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	185479	19.640	ug/l	99
89) n-Butylbenzene	12.335	91	265535	19.502	ug/l	97
90) Hexachloroethane	12.542	117	49970	17.954	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	181854	20.353	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24370	18.372	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	110865	20.861	ug/l	99
94) Hexachlorobutadiene	13.725	225	48406	20.412	ug/l	95
95) Naphthalene	13.780	128	376545	21.270	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	111570	21.388	ug/l	95

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

