

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
 Data File : VX032305.D
 Acq On : 21 Oct 2022 21:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2022
 Supervised By : Mahesh Dadoda 10/24/2022

Quant Time: Oct 22 05:17:00 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	140450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224895	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98189	53.740	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.480%			
35) Dibromofluoromethane	5.385	113	78518	50.172	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.340%			
50) Toluene-d8	8.653	98	283074	50.249	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.500%			
62) 4-Bromofluorobenzene	11.079	95	113827	55.179	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64946	50.544	ug/l	98
3) Chloromethane	1.294	50	60349	48.443	ug/l	93
4) Vinyl Chloride	1.374	62	68839	49.743	ug/l	100
5) Bromomethane	1.611	94	49078	33.872	ug/l	98
6) Chloroethane	1.684	64	51848	42.000	ug/l	97
7) Trichlorofluoromethane	1.886	101	129161	52.501	ug/l	100
8) Diethyl Ether	2.130	74	45833	54.822	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	69453	52.073	ug/l	99
10) Methyl Iodide	2.453	142	64949	33.697	ug/l	97
11) Tert butyl alcohol	2.995	59	69135	270.580	ug/l	99
12) 1,1-Dichloroethene	2.319	96	64135	51.160	ug/l	95
13) Acrolein	2.239	56	59582	267.881	ug/l	97
14) Allyl chloride	2.666	41	106993	54.340	ug/l	100
15) Acrylonitrile	3.068	53	174436	254.557	ug/l	99
16) Acetone	2.386	43	154987	261.390	ug/l	99
17) Carbon Disulfide	2.514	76	136221	46.415	ug/l	98
18) Methyl Acetate	2.703	43	105528	52.423	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	244692	56.644	ug/l	98
20) Methylene Chloride	2.794	84	73314	48.154	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	69959	51.237	ug/l	96
22) Diisopropyl ether	3.763	45	236399	54.828	ug/l	89
23) Vinyl Acetate	3.721	43	941212	273.125	ug/l	99
24) 1,1-Dichloroethane	3.611	63	133728	53.681	ug/l	99
25) 2-Butanone	4.562	43	242527	261.983	ug/l	98
26) 2,2-Dichloropropane	4.477	77	100574	56.035	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	85919	53.744	ug/l	97
28) Bromochloromethane	4.903	49	50695	49.324	ug/l	99
29) Tetrahydrofuran	5.007	42	155067	259.351	ug/l	99
30) Chloroform	5.099	83	150074	55.348	ug/l	97
31) Cyclohexane	5.476	56	107964	51.688	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	135565	58.629	ug/l	98
36) 1,1-Dichloropropene	5.696	75	101496	50.418	ug/l	99
37) Ethyl Acetate	4.714	43	97882	49.660	ug/l	99
38) Carbon Tetrachloride	5.678	117	116297	54.724	ug/l	99
39) Methylcyclohexane	7.385	83	117513	48.865	ug/l	98
40) Benzene	6.037	78	293696	50.337	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	56004	53.884	ug/l	100
42) 1,2-Dichloroethane	6.086	62	121149	54.209	ug/l	99
43) Isopropyl Acetate	6.342	43	167283	54.074	ug/l	99
44) Trichloroethene	7.129	130	80496	50.100	ug/l	97
45) 1,2-Dichloropropane	7.433	63	76769	52.157	ug/l	96
46) Dibromomethane	7.580	93	56726	51.673	ug/l	99
47) Bromodichloromethane	7.824	83	112103	55.279	ug/l	97
48) Methyl methacrylate	7.696	41	84066	54.488	ug/l	97
49) 1,4-Dioxane	7.696	88	32044	1034.902	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	512327	264.192	ug/l	100
52) Toluene	8.720	92	195487	51.721	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	119801	52.337	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	122766	54.330	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	82911	54.000	ug/l	97
56) Ethyl methacrylate	9.116	69	123635	55.910	ug/l	97
57) 1,3-Dichloropropane	9.311	76	133277	53.589	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	250627	247.270	ug/l	100
59) 2-Hexanone	9.433	43	380426	262.911	ug/l	99
60) Dibromochloromethane	9.525	129	89316	56.758	ug/l	99
61) 1,2-Dibromoethane	9.610	107	87191	53.568	ug/l	99
64) Tetrachloroethene	9.275	164	67004	48.086	ug/l	98
65) Chlorobenzene	10.079	112	215812	49.882	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	83226	53.761	ug/l	99
67) Ethyl Benzene	10.195	91	406140	53.022	ug/l	100
68) m/p-Xylenes	10.305	106	308769	102.073	ug/l	99
69) o-Xylene	10.640	106	152017	52.458	ug/l	100
70) Styrene	10.658	104	253463	51.867	ug/l	100
71) Bromoform	10.799	173	64557	49.189	ug/l #	100
73) Isopropylbenzene	10.963	105	404316	51.321	ug/l	100
74) N-amyl acetate	10.841	43	159525	54.810	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	126623	49.994	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	114205m	52.204	ug/l	
77) Bromobenzene	11.201	156	98854	51.192	ug/l	98
78) n-propylbenzene	11.305	91	471891	52.311	ug/l	99
79) 2-Chlorotoluene	11.366	91	279414	51.394	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	350392	51.492	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	34865	50.072	ug/l	97
82) 4-Chlorotoluene	11.457	91	327170	51.688	ug/l	99
83) tert-Butylbenzene	11.713	119	350640	51.500	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	351837	53.181	ug/l	99
85) sec-Butylbenzene	11.890	105	425465	51.708	ug/l	100
86) p-Isopropyltoluene	12.012	119	359736	51.382	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	187143	50.351	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	189926	49.745	ug/l	99
89) n-Butylbenzene	12.335	91	313381	50.820	ug/l	100
90) Hexachloroethane	12.542	117	58244	53.613	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	186740	51.179	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27127	56.060	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	115146	48.476	ug/l	98
94) Hexachlorobutadiene	13.725	225	49011	47.541	ug/l	99
95) Naphthalene	13.774	128	400485	52.642	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	116474	48.751	ug/l	99

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

