

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
 Data File : VX028748.D
 Acq On : 17 May 2022 10:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 17 16:23:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	210894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	348122	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	170613	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	145892	50.467	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.940%	
35) Dibromofluoromethane	5.385	113	120613	52.881	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.760%	
50) Toluene-d8	8.647	98	452069	52.571	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.140%	
62) 4-Bromofluorobenzene	11.079	95	173002	53.863	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 107.720%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	129673	46.958	ug/l	100
3) Chloromethane	1.288	50	118895	45.718	ug/l	97
4) Vinyl Chloride	1.374	62	133183	47.521	ug/l	100
5) Bromomethane	1.599	94	90897	45.351	ug/l	100
6) Chloroethane	1.679	64	89934	50.985	ug/l	99
7) Trichlorofluoromethane	1.886	101	234994	52.592	ug/l	98
8) Diethyl Ether	2.130	74	86309	53.011	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	115440	49.096	ug/l	95
10) Methyl Iodide	2.453	142	119527	42.460	ug/l	94
11) Tert butyl alcohol	2.971	59	135841	220.476	ug/l	99
12) 1,1-Dichloroethene	2.319	96	106431	48.762	ug/l	97
13) Acrolein	2.233	56	112793	237.708	ug/l	98
14) Allyl chloride	2.660	41	171810	49.079	ug/l	90
15) Acrylonitrile	3.062	53	334923	240.462	ug/l	99
16) Acetone	2.380	43	282123	227.392	ug/l	95
17) Carbon Disulfide	2.508	76	265703	46.961	ug/l	99
18) Methyl Acetate	2.703	43	149982	48.265	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	381841	49.299	ug/l	99
20) Methylene Chloride	2.788	84	122350	47.005	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	119226	48.495	ug/l	97
22) Diisopropyl ether	3.757	45	371338	49.638	ug/l #	84
23) Vinyl Acetate	3.721	43	1630704	252.856	ug/l	97
24) 1,1-Dichloroethane	3.611	63	214349	49.286	ug/l	100
25) 2-Butanone	4.550	43	462118	237.290	ug/l	95
26) 2,2-Dichloropropane	4.477	77	171150	50.191	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	138118	48.101	ug/l	100
28) Bromochloromethane	4.897	49	86638	47.327	ug/l	94
29) Tetrahydrofuran	5.001	42	299423	236.532	ug/l	93
30) Chloroform	5.093	83	232571	49.411	ug/l	98
31) Cyclohexane	5.471	56	194434	48.455	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	203660	49.563	ug/l	98
36) 1,1-Dichloropropene	5.696	75	171242	49.986	ug/l	99
37) Ethyl Acetate	4.715	43	179523	50.172	ug/l	97
38) Carbon Tetrachloride	5.678	117	175905	51.022	ug/l	99
39) Methylcyclohexane	7.379	83	211908	53.938	ug/l	96
40) Benzene	6.038	78	490291	49.798	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	96791	50.451	ug/l	93
42) 1,2-Dichloroethane	6.086	62	183698	50.583	ug/l	98
43) Isopropyl Acetate	6.336	43	285117	50.933	ug/l	95
44) Trichloroethene	7.123	130	135499	50.745	ug/l	97
45) 1,2-Dichloropropane	7.428	63	125701	51.172	ug/l	95
46) Dibromomethane	7.580	93	92988	50.689	ug/l	93
47) Bromodichloromethane	7.818	83	178000	52.263	ug/l	98
48) Methyl methacrylate	7.690	41	139425	51.559	ug/l	86
49) 1,4-Dioxane	7.659	88	64830	959.655	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	937708	254.310	ug/l	93
52) Toluene	8.720	92	319903	50.510	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	186903	47.749	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	203648	53.140	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	130815	50.652	ug/l	96
56) Ethyl methacrylate	9.116	69	203359	51.997	ug/l #	84
57) 1,3-Dichloropropane	9.305	76	219481	50.387	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	483736	252.638	ug/l	99
59) 2-Hexanone	9.433	43	735176	256.629	ug/l	91
60) Dibromochloromethane	9.525	129	135709	53.880	ug/l	98
61) 1,2-Dibromoethane	9.610	107	138468	51.048	ug/l	98
64) Tetrachloroethene	9.275	164	124586	46.021	ug/l	97
65) Chlorobenzene	10.079	112	382999	50.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	142166	52.771	ug/l	99
67) Ethyl Benzene	10.195	91	685762	50.308	ug/l	99
68) m/p-Xylenes	10.299	106	569606	107.330	ug/l	98
69) o-Xylene	10.640	106	263203	50.373	ug/l	97
70) Styrene	10.653	104	442470	52.146	ug/l	97
71) Bromoform	10.799	173	107878	48.383	ug/l #	99
73) Isopropylbenzene	10.963	105	635735	49.135	ug/l	99
74) N-amyl acetate	10.842	43	267995	52.693	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	215146	48.471	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	196945m	49.291	ug/l	
77) Bromobenzene	11.201	156	150755	49.244	ug/l	97
78) n-propylbenzene	11.305	91	755846	50.503	ug/l	100
79) 2-Chlorotoluene	11.366	91	444434	48.451	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	549744	50.992	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	61384	46.154	ug/l #	86
82) 4-Chlorotoluene	11.457	91	519742	49.012	ug/l	100
83) tert-Butylbenzene	11.713	119	539562	51.691	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	546653	50.565	ug/l	100
85) sec-Butylbenzene	11.890	105	682831	53.033	ug/l	100
86) p-Isopropyltoluene	12.012	119	585457	54.188	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	297558	49.554	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	303186	48.679	ug/l	98
89) n-Butylbenzene	12.335	91	520696	55.622	ug/l	97
90) Hexachloroethane	12.542	117	96379	55.162	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	292962	49.665	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	46857	49.439	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	181846	53.375	ug/l	98
94) Hexachlorobutadiene	13.725	225	77006	55.636	ug/l	94
95) Naphthalene	13.774	128	632659	52.183	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	177674	51.923	ug/l	97

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

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