

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031822\
 Data File : VX027543.D
 Acq On : 18 Mar 2022 21:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 03:10:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	305686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	487760	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	442187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	225977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	158367	42.055	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.100%		
35) Dibromofluoromethane	5.391	113	150244	47.876	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.760%		
50) Toluene-d8	8.653	98	554005	46.652	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.300%		
62) 4-Bromofluorobenzene	11.079	95	197643	45.281	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	145097	49.451	ug/l	100
3) Chloromethane	1.294	50	116987	44.914	ug/l	99
4) Vinyl Chloride	1.374	62	146541	48.692	ug/l	98
5) Bromomethane	1.599	94	49681	30.090	ug/l	100
6) Chloroethane	1.678	64	93982	50.889	ug/l	99
7) Trichlorofluoromethane	1.880	101	230578	46.413	ug/l	97
8) Diethyl Ether	2.136	74	87916	47.508	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	139952	47.306	ug/l	94
10) Methyl Iodide	2.447	142	108714	27.761	ug/l	99
11) Tert butyl alcohol	2.971	59	160230	223.262	ug/l	99
12) 1,1-Dichloroethene	2.318	96	140630	49.544	ug/l	90
13) Acrolein	2.239	56	93085	167.142	ug/l	98
14) Allyl chloride	2.660	41	204195	45.971	ug/l	95
15) Acrylonitrile	3.068	53	417262	255.736	ug/l	99
16) Acetone	2.386	43	333912	217.540	ug/l	98
17) Carbon Disulfide	2.507	76	353837	48.990	ug/l	99
18) Methyl Acetate	2.703	43	174374	47.401	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	450829	47.074	ug/l	99
20) Methylene Chloride	2.788	84	158927	48.157	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	151244	49.951	ug/l	96
22) Diisopropyl ether	3.763	45	418562	48.253	ug/l #	90
23) Vinyl Acetate	3.727	43	1809855	239.922	ug/l	99
24) 1,1-Dichloroethane	3.611	63	258712	49.038	ug/l	99
25) 2-Butanone	4.562	43	549540	237.962	ug/l	99
26) 2,2-Dichloropropane	4.477	77	157598	36.581	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	179495	51.118	ug/l	91
28) Bromochloromethane	4.903	49	120437	56.592	ug/l	89
29) Tetrahydrofuran	5.013	42	371985	251.092	ug/l	95
30) Chloroform	5.098	83	280850	48.259	ug/l	98
31) Cyclohexane	5.470	56	228871	48.945	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	241822	45.639	ug/l	98
36) 1,1-Dichloropropene	5.696	75	204754	47.745	ug/l	97
37) Ethyl Acetate	4.721	43	207436	48.543	ug/l	99
38) Carbon Tetrachloride	5.678	117	221162	45.078	ug/l	100
39) Methylcyclohexane	7.385	83	255159	47.315	ug/l	98
40) Benzene	6.043	78	624601	50.767	ug/l	99

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41) Methacrylonitrile	4.922	41	113806	48.833	ug/l	97
42) 1,2-Dichloroethane	6.092	62	205642	44.598	ug/l	100
43) Isopropyl Acetate	6.348	43	316619	46.037	ug/l	99
44) Trichloroethene	7.129	130	178242	47.724	ug/l	99
45) 1,2-Dichloropropane	7.433	63	155463	49.609	ug/l	97
46) Dibromomethane	7.586	93	115114	48.086	ug/l	96
47) Bromodichloromethane	7.824	83	214164	47.512	ug/l	100
48) Methyl methacrylate	7.696	41	159097	46.744	ug/l	94
49) 1,4-Dioxane	7.665	88	88695	1014.599	ug/l	94
51) 4-Methyl-2-Pentanone	8.580	43	1074904	244.842	ug/l	97
52) Toluene	8.720	92	410796	49.825	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	211491	45.715	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	240051	47.677	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	169199	50.403	ug/l	98
56) Ethyl methacrylate	9.122	69	245648	48.908	ug/l	97
57) 1,3-Dichloropropane	9.311	76	266272	48.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	650756	255.968	ug/l	97
59) 2-Hexanone	9.433	43	794764	235.048	ug/l	96
60) Dibromochloromethane	9.525	129	181292	49.059	ug/l	96
61) 1,2-Dibromoethane	9.610	107	178624	48.413	ug/l	99
64) Tetrachloroethene	9.275	164	163242	47.480	ug/l	98
65) Chlorobenzene	10.079	112	443911	48.802	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	166541	49.072	ug/l	98
67) Ethyl Benzene	10.195	91	760917	48.872	ug/l	97
68) m/p-Xylenes	10.305	106	610854	99.643	ug/l	97
69) o-Xylene	10.646	106	299340	50.290	ug/l	98
70) Styrene	10.658	104	503566	51.788	ug/l	99
71) Bromoform	10.805	173	139028	51.277	ug/l #	100
73) Isopropylbenzene	10.963	105	772397	46.927	ug/l	100
74) N-amyl acetate	10.847	43	259290	44.427	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	254862	48.882	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	224049m	47.401	ug/l	
77) Bromobenzene	11.201	156	199272	48.031	ug/l	92
78) n-propylbenzene	11.305	91	852824	47.200	ug/l	97
79) 2-Chlorotoluene	11.366	91	519248	45.812	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	659861	47.632	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	65178	41.879	ug/l	95
82) 4-Chlorotoluene	11.457	91	591126	45.806	ug/l	96
83) tert-Butylbenzene	11.719	119	665872	48.520	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	657239	47.572	ug/l	98
85) sec-Butylbenzene	11.890	105	797878	48.111	ug/l	100
86) p-Isopropyltoluene	12.012	119	685896	48.151	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	369974	48.130	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	373270	47.990	ug/l	99
89) n-Butylbenzene	12.335	91	560399	47.142	ug/l	97
90) Hexachloroethane	12.542	117	108736	47.867	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	374763	49.931	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	56023	46.849	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	234309	48.705	ug/l	99
94) Hexachlorobutadiene	13.725	225	100145	47.125	ug/l	94
95) Naphthalene	13.780	128	815427	52.068	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	239521	49.219	ug/l	96

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

