

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031422\
 Data File : VX027416.D
 Acq On : 14 Mar 2022 12:49
 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 03/15/2022
 Supervised By : Mahesh Dadoda 03/15/2022

Quant Time: Mar 15 06:01:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	329581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	509717	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	481134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	255706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	178234	46.374	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.740%		
35) Dibromofluoromethane	5.385	113	163218	49.625	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.260%		
50) Toluene-d8	8.653	98	589027	47.438	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.880%		
62) 4-Bromofluorobenzene	11.079	95	234001	49.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	156760	46.401	ug/l	100
3) Chloromethane	1.295	50	143440	40.377	ug/l	99
4) Vinyl Chloride	1.374	62	159989	43.818	ug/l	99
5) Bromomethane	1.599	94	67442	45.175	ug/l	99
6) Chloroethane	1.679	64	98321	46.253	ug/l	100
7) Trichlorofluoromethane	1.886	101	238238	46.855	ug/l	98
8) Diethyl Ether	2.136	74	99828	50.388	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	158283	47.616	ug/l	95
10) Methyl Iodide	2.453	142	205513	43.800	ug/l	99
11) Tert butyl alcohol	2.965	59	189939	252.088	ug/l	100
12) 1,1-Dichloroethene	2.319	96	148734	46.542	ug/l	93
13) Acrolein	2.233	56	142059	268.975	ug/l	98
14) Allyl chloride	2.660	41	235523	46.987	ug/l	96
15) Acrylonitrile	3.062	53	476561	240.332	ug/l	100
16) Acetone	2.380	43	381185	255.973	ug/l	98
17) Carbon Disulfide	2.508	76	364844	42.022	ug/l	100
18) Methyl Acetate	2.703	43	202938	48.033	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	540606	51.058	ug/l	99
20) Methylene Chloride	2.788	84	176178	46.921	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	162330	45.701	ug/l	97
22) Diisopropyl ether	3.764	45	490854	48.984	ug/l	94
23) Vinyl Acetate	3.721	43	2149246	256.381	ug/l	98
24) 1,1-Dichloroethane	3.611	63	290609	47.761	ug/l	99
25) 2-Butanone	4.556	43	628931	237.564	ug/l	99
26) 2,2-Dichloropropane	4.477	77	226851	51.998	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	200972	48.767	ug/l	93
28) Bromochloromethane	4.898	49	117666	46.478	ug/l	90
29) Tetrahydrofuran	5.001	42	414617	236.691	ug/l	95
30) Chloroform	5.093	83	314958	49.043	ug/l	100
31) Cyclohexane	5.471	56	244072	45.400	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	273544	49.836	ug/l	97
36) 1,1-Dichloropropene	5.690	75	217998	47.739	ug/l	97
37) Ethyl Acetate	4.715	43	237457	49.331	ug/l	100
38) Carbon Tetrachloride	5.678	117	243341	51.534	ug/l	97
39) Methylcyclohexane	7.379	83	282944	49.068	ug/l	99
40) Benzene	6.038	78	674024	48.462	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	131204	50.555	ug/l	96
42) 1,2-Dichloroethane	6.086	62	238146	52.416	ug/l	100
43) Isopropyl Acetate	6.342	43	374566	51.620	ug/l	99
44) Trichloroethene	7.129	130	191910	50.238	ug/l	98
45) 1,2-Dichloropropane	7.434	63	175439	50.341	ug/l	100
46) Dibromomethane	7.580	93	130545	52.651	ug/l	96
47) Bromodichloromethane	7.824	83	246985	53.940	ug/l	99
48) Methyl methacrylate	7.696	41	187804	52.047	ug/l	94
49) 1,4-Dioxane	7.659	88	95453	1010.200	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	1254077	258.145	ug/l	98
52) Toluene	8.720	92	448417	50.574	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	269602	57.386	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	291800	55.331	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	196433	53.086	ug/l	99
56) Ethyl methacrylate	9.116	69	295970	54.227	ug/l	96
57) 1,3-Dichloropropane	9.311	76	309456	51.806	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	635354	230.561	ug/l	98
59) 2-Hexanone	9.433	43	971991	259.017	ug/l	95
60) Dibromochloromethane	9.525	129	215836	57.152	ug/l	96
61) 1,2-Dibromoethane	9.610	107	209372	54.792	ug/l	99
64) Tetrachloroethene	9.275	164	170600	50.597	ug/l	98
65) Chlorobenzene	10.080	112	510663	50.449	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	193952	54.804	ug/l	99
67) Ethyl Benzene	10.195	91	870044	49.841	ug/l	96
68) m/p-Xylenes	10.305	106	700552	102.313	ug/l	98
69) o-Xylene	10.640	106	347554	51.412	ug/l	98
70) Styrene	10.659	104	589842	52.565	ug/l	99
71) Bromoform	10.799	173	174032	60.214	ug/l	100
73) Isopropylbenzene	10.964	105	897105	47.970	ug/l	100
74) N-amyl acetate	10.842	43	332925	48.708	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	307310	47.819	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	280030m	49.914	ug/l	
77) Bromobenzene	11.201	156	237047	50.231	ug/l	93
78) n-propylbenzene	11.305	91	1021959	48.581	ug/l	97
79) 2-Chlorotoluene	11.366	91	624199	47.477	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	777652	48.502	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	95977	55.327	ug/l	98
82) 4-Chlorotoluene	11.457	91	718576	48.314	ug/l	97
83) tert-Butylbenzene	11.719	119	788656	49.210	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	783585	49.276	ug/l	100
85) sec-Butylbenzene	11.890	105	947496	49.019	ug/l	99
86) p-Isopropyltoluene	12.012	119	827690	50.577	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	443247	49.994	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	443890	49.450	ug/l	99
89) n-Butylbenzene	12.335	91	686743	50.100	ug/l	97
90) Hexachloroethane	12.542	117	134623	52.780	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	436158	49.895	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	69476	51.599	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	288117	50.212	ug/l	99
94) Hexachlorobutadiene	13.725	225	128854	51.213	ug/l	93
95) Naphthalene	13.780	128	966974	50.198	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	284927	49.690	ug/l	96

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

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