

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031622\
 Data File : VX027463.D
 Acq On : 16 Mar 2022 10:12
 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 03/17/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 17 00:48:37 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	5.550	168	331282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	502785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	466425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	177263	45.884	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.760%		
35) Dibromofluoromethane	5.385	113	145819	44.947	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.900%		
50) Toluene-d8	8.647	98	530791	43.337	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	86.680%		
62) 4-Bromofluorobenzene	11.079	95	222383	47.639	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	159699	47.028	ug/l	99
3) Chloromethane	1.294	50	133599	37.414	ug/l	99
4) Vinyl Chloride	1.374	62	149070	40.618	ug/l	99
5) Bromomethane	1.599	94	77316	52.327	ug/l	100
6) Chloroethane	1.679	64	94124	43.786	ug/l	98
7) Trichlorofluoromethane	1.886	101	259183	50.713	ug/l	98
8) Diethyl Ether	2.136	74	97119	48.769	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	166680	49.884	ug/l	96
10) Methyl Iodide	2.453	142	206718	43.830	ug/l	97
11) Tert butyl alcohol	2.965	59	168033	221.869	ug/l	99
12) 1,1-Dichloroethene	2.319	96	153839	47.892	ug/l	96
13) Acrolein	2.233	56	123984	233.546	ug/l	98
14) Allyl chloride	2.660	41	230036	45.656	ug/l	91
15) Acrylonitrile	3.062	53	418378	209.907	ug/l	99
16) Acetone	2.380	43	436721	292.170	ug/l	94
17) Carbon Disulfide	2.508	76	352727	40.417	ug/l	100
18) Methyl Acetate	2.703	43	184128	43.357	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	511488	48.060	ug/l	100
20) Methylene Chloride	2.788	84	158526	42.003	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	149161	41.778	ug/l	96
22) Diisopropyl ether	3.764	45	467269	46.391	ug/l	93
23) Vinyl Acetate	3.721	43	2053415	243.692	ug/l	95
24) 1,1-Dichloroethane	3.611	63	275890	45.110	ug/l	97
25) 2-Butanone	4.556	43	613200	230.432	ug/l	95
26) 2,2-Dichloropropane	4.477	77	241638	55.104	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	181550	43.828	ug/l	99
28) Bromochloromethane	4.897	49	117039	45.993	ug/l	97
29) Tetrahydrofuran	5.007	42	373630	212.198	ug/l	92
30) Chloroform	5.093	83	306566	47.491	ug/l	99
31) Cyclohexane	5.471	56	233977	43.299	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	281536	51.029	ug/l	99
36) 1,1-Dichloropropene	5.690	75	215586	47.862	ug/l	99
37) Ethyl Acetate	4.715	43	227271	47.866	ug/l	98
38) Carbon Tetrachloride	5.678	117	253968	54.526	ug/l	99
39) Methylcyclohexane	7.379	83	265585	46.692	ug/l	96
40) Benzene	6.038	78	614133	44.765	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	122931	48.020	ug/l	93
42) 1,2-Dichloroethane	6.086	62	248687	55.491	ug/l	96
43) Isopropyl Acetate	6.342	43	365133	51.014	ug/l	95
44) Trichloroethene	7.123	130	181624	48.201	ug/l	96
45) 1,2-Dichloropropane	7.434	63	161105	46.866	ug/l	98
46) Dibromomethane	7.580	93	122896	50.250	ug/l	99
47) Bromodichloromethane	7.824	83	243291	53.866	ug/l	99
48) Methyl methacrylate	7.696	41	183198	51.471	ug/l	87
49) 1,4-Dioxane	7.659	88	74565	800.018	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1169016	243.953	ug/l	94
52) Toluene	8.720	92	417820	47.773	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	259113	55.913	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	273312	52.540	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	178170	48.815	ug/l	97
56) Ethyl methacrylate	9.116	69	269264	50.014	ug/l #	86
57) 1,3-Dichloropropane	9.311	76	283884	48.180	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	622288	228.933	ug/l	99
59) 2-Hexanone	9.433	43	920018	248.547	ug/l	90
60) Dibromochloromethane	9.525	129	201162	54.000	ug/l	96
61) 1,2-Dibromoethane	9.610	107	189972	50.400	ug/l	99
64) Tetrachloroethene	9.275	164	171363	52.426	ug/l	96
65) Chlorobenzene	10.079	112	472263	48.126	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	181611	52.935	ug/l	99
67) Ethyl Benzene	10.195	91	831856	49.156	ug/l	98
68) m/p-Xylenes	10.305	106	647971	97.618	ug/l	99
69) o-Xylene	10.640	106	351354	53.613	ug/l	99
70) Styrene	10.659	104	581117	53.420	ug/l	99
71) Bromoform	10.799	173	163142	58.226	ug/l #	98
73) Isopropylbenzene	10.963	105	928629	47.225	ug/l	100
74) N-amyl acetate	10.842	43	329184	45.803	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	290699	43.019	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	270269m	45.815	ug/l	
77) Bromobenzene	11.201	156	234453	47.249	ug/l	93
78) n-propylbenzene	11.305	91	1048178	47.388	ug/l	97
79) 2-Chlorotoluene	11.366	91	631440	45.676	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	803758	47.676	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	90817	49.789	ug/l	95
82) 4-Chlorotoluene	11.457	91	729606	46.654	ug/l	97
83) tert-Butylbenzene	11.719	119	809144	48.016	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	801259	47.921	ug/l	100
85) sec-Butylbenzene	11.890	105	984814	48.455	ug/l	100
86) p-Isopropyltoluene	12.012	119	857704	49.845	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	442309	47.445	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	447778	47.441	ug/l	99
89) n-Butylbenzene	12.335	91	712236	49.415	ug/l	97
90) Hexachloroethane	12.542	117	135604	50.561	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	435363	47.365	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	65446	46.226	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	288856	47.876	ug/l	98
94) Hexachlorobutadiene	13.725	225	131291	49.626	ug/l	93
95) Naphthalene	13.774	128	941813	46.498	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	286149	47.459	ug/l	96

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

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