

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028187.D
 Acq On : 20 Apr 2022 10:40
 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 04/21/2022
 Supervised By : Mahesh Dadoda 04/21/2022

Quant Time: Apr 20 15:16:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	332621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	515984	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	491335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	284940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	181168	41.773	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.540%		
35) Dibromofluoromethane	5.385	113	165414	45.713	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.420%		
50) Toluene-d8	8.647	98	611423	43.993	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	87.980%		
62) 4-Bromofluorobenzene	11.079	95	233130	43.870	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.740%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	94060	43.807	ug/l	100
3) Chloromethane	1.294	50	112058	51.857	ug/l	99
4) Vinyl Chloride	1.374	62	143715	42.859	ug/l	99
5) Bromomethane	1.599	94	140910	46.610	ug/l	99
6) Chloroethane	1.684	64	105730	43.623	ug/l	100
7) Trichlorofluoromethane	1.886	101	299455	40.498	ug/l	97
8) Diethyl Ether	2.130	74	103756	46.484	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	147498	54.760	ug/l	98
10) Methyl Iodide	2.453	142	192846	52.105	ug/l	96
11) Tert butyl alcohol	2.959	59	183331	219.519	ug/l	99
12) 1,1-Dichloroethene	2.319	96	136092	53.239	ug/l	91
13) Acrolein	2.233	56	115239	216.810	ug/l	99
14) Allyl chloride	2.660	41	195543	45.588	ug/l	93
15) Acrylonitrile	3.062	53	397293	224.789	ug/l	99
16) Acetone	2.373	43	332490	251.007	ug/l	93
17) Carbon Disulfide	2.514	76	336746	48.918	ug/l	100
18) Methyl Acetate	2.696	43	170594	44.240	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	505031	47.378	ug/l	97
20) Methylene Chloride	2.788	84	159618	49.602	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	160771	46.246	ug/l	91
22) Diisopropyl ether	3.757	45	428422	43.852	ug/l #	85
23) Vinyl Acetate	3.721	43	1899036	222.496	ug/l	98
24) 1,1-Dichloroethane	3.605	63	264311	45.819	ug/l	99
25) 2-Butanone	4.550	43	533078	207.542	ug/l	95
26) 2,2-Dichloropropane	4.477	77	249250	44.254	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	191498	46.197	ug/l	91
28) Bromochloromethane	4.897	49	105951	42.810	ug/l #	79
29) Tetrahydrofuran	5.001	42	342599	204.564	ug/l	98
30) Chloroform	5.092	83	306870	44.296	ug/l	100
31) Cyclohexane	5.470	56	227410	43.038	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	283686	45.222	ug/l	98
36) 1,1-Dichloropropene	5.690	75	215023	45.555	ug/l	96
37) Ethyl Acetate	4.708	43	207915	43.412	ug/l	99
38) Carbon Tetrachloride	5.678	117	255900	48.025	ug/l	98
39) Methylcyclohexane	7.379	83	277156	46.537	ug/l	96
40) Benzene	6.037	78	640349	46.346	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	107879	43.658	ug/l	97
42) 1,2-Dichloroethane	6.086	62	230019	44.848	ug/l	99
43) Isopropyl Acetate	6.336	43	339071	43.500	ug/l	98
44) Trichloroethene	7.123	130	198188	49.464	ug/l	100
45) 1,2-Dichloropropane	7.433	63	152168	44.994	ug/l	97
46) Dibromomethane	7.580	93	127022	47.879	ug/l	100
47) Bromodichloromethane	7.824	83	238660	46.806	ug/l	99
48) Methyl methacrylate	7.689	41	158633	44.327	ug/l	93
49) 1,4-Dioxane	7.659	88	83467	871.842	ug/l	92
51) 4-Methyl-2-Pentanone	8.573	43	1082991	216.512	ug/l	97
52) Toluene	8.720	92	443615	46.215	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	261007	48.165	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	272470	46.823	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	184956	47.423	ug/l	98
56) Ethyl methacrylate	9.116	69	267348	47.289	ug/l #	94
57) 1,3-Dichloropropane	9.311	76	289862	46.047	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	639672	241.152	ug/l	91
59) 2-Hexanone	9.433	43	842996	217.568	ug/l	97
60) Dibromochloromethane	9.525	129	209462	49.265	ug/l	96
61) 1,2-Dibromoethane	9.610	107	204831	47.872	ug/l	98
64) Tetrachloroethene	9.275	164	195227	50.869	ug/l	97
65) Chlorobenzene	10.079	112	501893	47.910	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	196692	50.404	ug/l	98
67) Ethyl Benzene	10.195	91	860764	49.002	ug/l	96
68) m/p-Xylenes	10.305	106	714862	99.992	ug/l	93
69) o-Xylene	10.640	106	348423	48.882	ug/l	95
70) Styrene	10.658	104	584121	50.584	ug/l	98
71) Bromoform	10.799	173	159635	44.736	ug/l	99
73) Isopropylbenzene	10.963	105	904568	46.187	ug/l	98
74) N-amyl acetate	10.841	43	303603	44.850	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	285989	45.000	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	261171m	46.573	ug/l	
77) Bromobenzene	11.201	156	237084	46.481	ug/l	89
78) n-propylbenzene	11.305	91	1027963	47.335	ug/l	95
79) 2-Chlorotoluene	11.366	91	607722	45.011	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	796744	47.925	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	86961	46.083	ug/l	95
82) 4-Chlorotoluene	11.457	91	726091	46.686	ug/l	94
83) tert-Butylbenzene	11.713	119	807780	47.584	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	793640	48.024	ug/l	97
85) sec-Butylbenzene	11.890	105	987357	48.209	ug/l	96
86) p-Isopropyltoluene	12.012	119	867905	49.121	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	475103	49.572	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	480657	47.764	ug/l	99
89) n-Butylbenzene	12.335	91	706185	48.675	ug/l	97
90) Hexachloroethane	12.542	117	145497	45.919	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	469757	49.340	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	63533	44.951	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	290300	51.265	ug/l	99
94) Hexachlorobutadiene	13.725	225	121063	47.911	ug/l	95
95) Naphthalene	13.780	128	951598	50.445	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	283604	51.023	ug/l	97

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

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