

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011722\
 Data File : VX026492.D
 Acq On : 17 Jan 2022 16:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/18/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 18 00:41:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.555	168	104695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	168030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66204	45.267	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.540%		
35) Dibromofluoromethane	5.385	113	51185	47.171	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.340%		
50) Toluene-d8	8.646	98	187032	47.832	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.660%		
62) 4-Bromofluorobenzene	11.079	95	71756	51.659	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	54085	43.748	ug/l	98
3) Chloromethane	1.294	50	51730	45.645	ug/l	99
4) Vinyl Chloride	1.379	62	54600	45.886	ug/l	97
5) Bromomethane	1.617	94	25226	45.958	ug/l	99
6) Chloroethane	1.690	64	30758	51.119	ug/l	99
7) Trichlorofluoromethane	1.891	101	83736	44.573	ug/l	100
8) Diethyl Ether	2.135	74	30118	45.306	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	52860	46.172	ug/l	100
10) Methyl Iodide	2.458	142	66799	53.827	ug/l	99
11) Tert butyl alcohol	2.983	59	49644	244.009	ug/l	96
12) 1,1-Dichloroethene	2.324	96	49745	45.496	ug/l	99
13) Acrolein	2.239	56	54854	253.732	ug/l	100
14) Allyl chloride	2.666	41	95428	47.459	ug/l	98
15) Acrylonitrile	3.068	53	151397	241.739	ug/l	100
16) Acetone	2.385	43	146319	196.184	ug/l	100
17) Carbon Disulfide	2.513	76	137913	43.202	ug/l	100
18) Methyl Acetate	2.702	43	69224	46.687	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	181298	45.697	ug/l	99
20) Methylene Chloride	2.794	84	54615	44.321	ug/l	99
21) trans-1,2-Dichloroethene	3.092	96	53573	45.260	ug/l	96
22) Diisopropyl ether	3.763	45	188218	46.082	ug/l	95
23) Vinyl Acetate	3.720	43	823969	245.075	ug/l	100
24) 1,1-Dichloroethane	3.611	63	101746	46.126	ug/l	98
25) 2-Butanone	4.556	43	224092	231.041	ug/l	98
26) 2,2-Dichloropropane	4.476	77	78667	48.113	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	62474	46.245	ug/l	99
28) Bromochloromethane	4.903	49	41620	45.951	ug/l	99
29) Tetrahydrofuran	5.007	42	141747	246.065	ug/l	99
30) Chloroform	5.092	83	105837	46.178	ug/l	100
31) Cyclohexane	5.470	56	96149	44.572	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	95340	47.292	ug/l	99
36) 1,1-Dichloropropene	5.696	75	79065	46.157	ug/l	100
37) Ethyl Acetate	4.714	43	84660	48.858	ug/l	99
38) Carbon Tetrachloride	5.683	117	84504	47.959	ug/l	99
39) Methylcyclohexane	7.378	83	97971	47.416	ug/l	97
40) Benzene	6.037	78	220754	46.625	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	49350	50.276	ug/l	99
42) 1,2-Dichloroethane	6.086	62	84970	45.869	ug/l	100
43) Isopropyl Acetate	6.336	43	139199	49.731	ug/l	99
44) Trichloroethene	7.122	130	63588	47.331	ug/l	98
45) 1,2-Dichloropropane	7.427	63	56195	47.549	ug/l	99
46) Dibromomethane	7.579	93	39686	47.636	ug/l	99
47) Bromodichloromethane	7.823	83	82178	48.819	ug/l	99
48) Methyl methacrylate	7.689	41	69600	50.175	ug/l	99
49) 1,4-Dioxane	7.683	88	19212	843.957	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	427219	257.327	ug/l	100
52) Toluene	8.720	92	139393	48.010	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	83874	46.738	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	91732	50.737	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	54927	48.478	ug/l	99
56) Ethyl methacrylate	9.116	69	89432	51.505	ug/l	100
57) 1,3-Dichloropropane	9.311	76	96353	49.051	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	226041	248.263	ug/l	99
59) 2-Hexanone	9.433	43	321486	253.002	ug/l	99
60) Dibromochloromethane	9.524	129	61217	51.848	ug/l	99
61) 1,2-Dibromoethane	9.610	107	59184	50.129	ug/l	98
64) Tetrachloroethene	9.274	164	64649	45.730	ug/l	96
65) Chlorobenzene	10.079	112	146021	46.334	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	55494	47.391	ug/l	100
67) Ethyl Benzene	10.195	91	269321	47.027	ug/l	100
68) m/p-Xylenes	10.305	106	206277	96.247	ug/l	100
69) o-Xylene	10.640	106	99140	47.939	ug/l	99
70) Styrene	10.658	104	167393	49.605	ug/l	99
71) Bromoform	10.798	173	42200	47.214	ug/l #	100
73) Isopropylbenzene	10.963	105	265733	44.854	ug/l	99
74) N-amyl acetate	10.841	43	115834	50.646	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	74976	47.150	ug/l	100
76) 1,2,3-Trichloropropane	11.243	75	77414m	48.646	ug/l	
77) Bromobenzene	11.201	156	61529	45.334	ug/l	99
78) n-propylbenzene	11.304	91	313101	46.345	ug/l	99
79) 2-Chlorotoluene	11.365	91	184858	45.123	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	224279	45.919	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24406	48.540	ug/l	94
82) 4-Chlorotoluene	11.457	91	215604	45.791	ug/l	99
83) tert-Butylbenzene	11.719	119	210829	46.239	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	223816	45.815	ug/l	99
85) sec-Butylbenzene	11.890	105	278680	47.253	ug/l	100
86) p-Isopropyltoluene	12.012	119	237918	48.084	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	117399	46.147	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	117368	45.581	ug/l	98
89) n-Butylbenzene	12.335	91	209138	49.254	ug/l	100
90) Hexachloroethane	12.542	117	38552	46.833	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	113436	47.184	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	19799	51.516	ug/l	100
93) 1,2,4-Trichlorobenzene	13.591	180	73905	47.949	ug/l	98
94) Hexachlorobutadiene	13.725	225	31484	48.388	ug/l	99
95) Naphthalene	13.780	128	252657	49.144	ug/l	99
96) 1,2,3-Trichlorobenzene	13.962	180	73073	48.207	ug/l	99

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

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