

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007871.D
 Acq On : 17 Mar 2022 11:29
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 17 12:26:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 12:24:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	297945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	508668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	463473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	226588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	157941	50.635	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.260%			
35) Dibromofluoromethane	7.716	113	167894	51.627	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.260%			
50) Toluene-d8	10.179	98	582535	48.662	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.320%			
62) 4-Bromofluorobenzene	12.483	95	227716	59.012	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	113274	50.913	ug/l	98
3) Chloromethane	2.113	50	141318	38.298	ug/l	96
4) Vinyl Chloride	2.253	62	175675	39.303	ug/l	97
5) Bromomethane	2.650	94	115176	31.882	ug/l	99
6) Chloroethane	2.796	64	121944	35.575	ug/l	98
7) Trichlorofluoromethane	3.125	101	282892	55.394	ug/l	95
8) Diethyl Ether	3.527	74	104351	63.501	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	186655	59.874	ug/l	94
10) Methyl Iodide	4.094	142	203431	53.635	ug/l	89
11) Tert butyl alcohol	4.954	59	99718	369.248	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	165041	59.652	ug/l #	80
13) Acrolein	3.729	56	30003	109.319	ug/l	99
14) Allyl chloride	4.479	41	281394	67.617	ug/l #	91
15) Acrylonitrile	5.161	53	281495	324.525	ug/l	96
16) Acetone	3.942	43	226690	357.254	ug/l #	86
17) Carbon Disulfide	4.192	76	356005	47.232	ug/l	99
18) Methyl Acetate	4.479	43	118644	54.281	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	539361	62.811	ug/l	97
20) Methylene Chloride	4.716	84	210437	59.609	ug/l	85
21) trans-1,2-Dichloroethene	5.222	96	182700	56.592	ug/l	87
22) Diisopropyl ether	6.118	45	627239	63.092	ug/l #	94
23) Vinyl Acetate	6.057	43	2050897	326.212	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	354364	58.993	ug/l	98
25) 2-Butanone	6.984	43	362333	340.395	ug/l #	83
26) 2,2-Dichloropropane	6.984	77	333037	62.300	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	231833	61.241	ug/l	88
28) Bromochloromethane	7.332	49	147185	57.615	ug/l #	83
29) Tetrahydrofuran	7.344	42	229435	315.014	ug/l #	85
30) Chloroform	7.502	83	365268	58.694	ug/l	98
31) Cyclohexane	7.783	56	289858	53.183	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	326939	59.030	ug/l	96
36) 1,1-Dichloropropene	7.917	75	262293	51.271	ug/l	97
37) Ethyl Acetate	7.076	43	159756	56.539	ug/l #	94
38) Carbon Tetrachloride	7.899	117	286890	52.571	ug/l	99
39) Methylcyclohexane	9.185	83	329525	52.411	ug/l	91
40) Benzene	8.161	78	776256	54.522	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	116916m	86.587	ug/l	
42) 1,2-Dichloroethane	8.234	62	225536	50.767	ug/l	90
43) Isopropyl Acetate	8.271	43	309050	59.143	ug/l #	90
44) Trichloroethene	8.941	130	216345	54.713	ug/l	100
45) 1,2-Dichloropropane	9.215	63	204315	55.493	ug/l	95
46) Dibromomethane	9.307	93	117653	53.235	ug/l	97
47) Bromodichloromethane	9.496	83	293395	56.600	ug/l	99
48) Methyl methacrylate	9.289	41	135810	59.961	ug/l #	87
49) 1,4-Dioxane	9.295	88	33339	1249.516	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	810157	289.762	ug/l	90
52) Toluene	10.246	92	503897	54.737	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	307412	57.762	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	343433	58.407	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	171607	57.075	ug/l	99
56) Ethyl methacrylate	10.508	69	246250	61.689	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	289785	56.996	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	611529	280.910	ug/l	95
59) 2-Hexanone	10.831	43	566458	300.850	ug/l	88
60) Dibromochloromethane	10.983	129	214512	59.917	ug/l	98
61) 1,2-Dibromoethane	11.087	107	164673	57.461	ug/l	100
64) Tetrachloroethene	10.721	164	174065	50.667	ug/l	98
65) Chlorobenzene	11.514	112	552968	54.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	211774	56.084	ug/l	97
67) Ethyl Benzene	11.593	91	980108	53.824	ug/l	96
68) m/p-Xylenes	11.703	106	762552	109.140	ug/l	93
69) o-Xylene	12.026	106	374748	56.600	ug/l	92
70) Styrene	12.044	104	631201	56.936	ug/l	96
71) Bromoform	12.209	173	134718	57.299	ug/l #	98
73) Isopropylbenzene	12.331	105	995604	56.400	ug/l	99
74) N-amyl acetate	12.142	43	284527	60.550	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	210102	56.749	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	156119m	61.696	ug/l	
77) Bromobenzene	12.611	156	227358	55.917	ug/l	99
78) n-propylbenzene	12.672	91	1196092	56.152	ug/l	98
79) 2-Chlorotoluene	12.758	91	675652	59.276	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	817807	57.939	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	75689	61.150	ug/l #	84
82) 4-Chlorotoluene	12.855	91	699988	59.704	ug/l	99
83) tert-Butylbenzene	13.075	119	741180	57.087	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	802504	57.720	ug/l	98
85) sec-Butylbenzene	13.251	105	1102442	57.401	ug/l	99
86) p-Isopropyltoluene	13.367	119	888533	56.014	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	444474	54.934	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	440965	55.220	ug/l	98
89) n-Butylbenzene	13.696	91	865981	57.762	ug/l	98
90) Hexachloroethane	13.959	117	182165	60.583	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	406095	56.525	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	33937	60.527	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	259980	57.159	ug/l	99
94) Hexachlorobutadiene	15.111	225	140099	52.098	ug/l	98
95) Naphthalene	15.233	128	568222	61.410	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	229905	56.715	ug/l	99

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

