

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030222\
 Data File : VY007690.D
 Acq On : 02 Mar 2022 16:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Mar 03 00:34:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	335726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	525226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	483182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	245600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	174300	49.591	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.180%		
35) Dibromofluoromethane	7.716	113	172258	51.299	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.600%		
50) Toluene-d8	10.179	98	621553	50.284	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.560%		
62) 4-Bromofluorobenzene	12.483	95	203992	51.198	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.400%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	118233	54.050	ug/l	98
3) Chloromethane	2.119	50	182888	53.491	ug/l	97
4) Vinyl Chloride	2.253	62	260602	51.742	ug/l	97
5) Bromomethane	2.656	94	207517	50.979	ug/l	98
6) Chloroethane	2.796	64	191261	49.517	ug/l	98
7) Trichlorofluoromethane	3.131	101	309762	53.829	ug/l	94
8) Diethyl Ether	3.527	74	98118	52.989	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.905	101	195548	55.668	ug/l	96
10) Methyl Iodide	4.094	142	230293	53.884	ug/l	93
11) Tert butyl alcohol	4.954	59	78125	256.735	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	170941	54.831	ug/l	83
13) Acrolein	3.729	56	63441	244.482	ug/l	99
14) Allyl chloride	4.485	41	255900	54.571	ug/l #	89
15) Acrylonitrile	5.161	53	260819	266.850	ug/l	99
16) Acetone	3.948	43	162218	226.880	ug/l	93
17) Carbon Disulfide	4.198	76	432008	57.889	ug/l	99
18) Methyl Acetate	4.479	43	106659	51.108	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	518611	53.598	ug/l	98
20) Methylene Chloride	4.716	84	210706	62.462	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	197006	54.156	ug/l	90
22) Diisopropyl ether	6.119	45	626846	55.957	ug/l #	95
23) Vinyl Acetate	6.058	43	2030648	286.644	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	378754	55.957	ug/l	99
25) 2-Butanone	6.984	43	312405	260.462	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	349392	58.004	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	240235	56.319	ug/l	90
28) Bromochloromethane	7.332	49	144414	50.169	ug/l #	89
29) Tetrahydrofuran	7.344	42	215123	262.125	ug/l #	85
30) Chloroform	7.508	83	400615	57.130	ug/l	98
31) Cyclohexane	7.783	56	321532	60.181	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	357478	57.281	ug/l	98
36) 1,1-Dichloropropene	7.917	75	298049	56.423	ug/l	99
37) Ethyl Acetate	7.076	43	147375	50.513	ug/l	95
38) Carbon Tetrachloride	7.905	117	328938	58.376	ug/l	96
39) Methylcyclohexane	9.185	83	366772	56.496	ug/l	89
40) Benzene	8.161	78	843897	57.404	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	76672m	54.993	ug/l	
42) 1,2-Dichloroethane	8.234	62	257093	56.046	ug/l	94
43) Isopropyl Acetate	8.271	43	290010	53.750	ug/l #	90
44) Trichloroethene	8.941	130	232679	56.989	ug/l	99
45) 1,2-Dichloropropane	9.216	63	217212	57.136	ug/l	93
46) Dibromomethane	9.307	93	126647	55.498	ug/l	97
47) Bromodichloromethane	9.496	83	312681	58.419	ug/l	99
48) Methyl methacrylate	9.295	41	132006	56.444	ug/l #	88
49) 1,4-Dioxane	9.301	88	30079	1091.794	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	768835	266.314	ug/l	90
52) Toluene	10.246	92	544909	57.326	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	318915	58.034	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	358485	59.045	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	175258	56.452	ug/l	97
56) Ethyl methacrylate	10.508	69	229831	55.761	ug/l	85
57) 1,3-Dichloropropane	10.788	76	300608	57.260	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	587095	261.184	ug/l	96
59) 2-Hexanone	10.831	43	535597	275.492	ug/l	88
60) Dibromochloromethane	10.983	129	219156	59.285	ug/l	100
61) 1,2-Dibromoethane	11.087	107	166288	56.195	ug/l	100
64) Tetrachloroethene	10.721	164	199696	55.756	ug/l	98
65) Chlorobenzene	11.514	112	595380	56.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	231949	58.922	ug/l	97
67) Ethyl Benzene	11.593	91	1083015	57.049	ug/l	99
68) m/p-Xylenes	11.703	106	846691	116.240	ug/l	92
69) o-Xylene	12.032	106	400569	58.032	ug/l	93
70) Styrene	12.044	104	680656	58.892	ug/l	95
71) Bromoform	12.209	173	138138	56.357	ug/l #	98
73) Isopropylbenzene	12.331	105	1092543	57.101	ug/l	100
74) N-amyl acetate	12.142	43	268183	52.654	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	211562	52.720	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	131577m	47.972	ug/l	
77) Bromobenzene	12.611	156	248058	56.285	ug/l	93
78) n-propylbenzene	12.672	91	1322241	57.269	ug/l	100
79) 2-Chlorotoluene	12.758	91	707083	57.232	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	878020	57.390	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	73028	54.433	ug/l	88
82) 4-Chlorotoluene	12.855	91	719411	56.611	ug/l	96
83) tert-Butylbenzene	13.075	119	803109	57.069	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	873703	57.977	ug/l	98
85) sec-Butylbenzene	13.257	105	1205270	57.897	ug/l	100
86) p-Isopropyltoluene	13.367	119	1012131	58.866	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	505647	57.657	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	495251	57.218	ug/l	98
89) n-Butylbenzene	13.696	91	955457	58.797	ug/l	99
90) Hexachloroethane	13.965	117	189733	58.216	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	434800	55.835	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	30161	49.629	ug/l	73
93) 1,2,4-Trichlorobenzene	15.007	180	281973	57.195	ug/l	99
94) Hexachlorobutadiene	15.111	225	169732	58.231	ug/l	99
95) Naphthalene	15.239	128	544452	54.286	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	244063	55.547	ug/l	100

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

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