

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022522\
 Data File : VY007636.D
 Acq On : 25 Feb 2022 14:25
 Operator : SY/MD
 Sample : VY0225SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0225SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2022
 Supervised By : Mahesh Dadoda 02/28/2022

Quant Time: Feb 27 23:57:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	88170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	129116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	117789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	57386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	38978	39.739	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.480%		
35) Dibromofluoromethane	7.716	113	37683	46.254	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.500%		
50) Toluene-d8	10.179	98	132031	44.271	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.540%		
62) 4-Bromofluorobenzene	12.477	95	45140	43.819	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	20817	19.090	ug/l	100
3) Chloromethane	2.113	50	21216	20.139	ug/l	94
4) Vinyl Chloride	2.247	62	25187	19.472	ug/l	97
5) Bromomethane	2.643	94	17121	19.579	ug/l	100
6) Chloroethane	2.790	64	16128	19.598	ug/l	94
7) Trichlorofluoromethane	3.125	101	47358	18.981	ug/l	95
8) Diethyl Ether	3.527	74	10719	16.837	ug/l	55
9) 1,1,2-Trichlorotrifluo...	3.893	101	19384	18.083	ug/l	93
10) Methyl Iodide	4.094	142	23548	17.999	ug/l	96
11) Tert butyl alcohol	4.954	59	7197	72.852	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	18992	19.069	ug/l #	68
13) Acrolein	3.723	56	8624	68.315	ug/l	99
14) Allyl chloride	4.472	41	16104	17.491	ug/l #	60
15) Acrylonitrile	5.155	53	16877	76.868	ug/l	98
16) Acetone	3.948	43	19063	85.338	ug/l	97
17) Carbon Disulfide	4.198	76	44439	17.954	ug/l	97
18) Methyl Acetate	4.485	43	8254	17.977	ug/l #	69
19) Methyl tert-butyl Ether	5.222	73	43227	16.149	ug/l #	87
20) Methylene Chloride	4.710	84	19700	16.785	ug/l #	68
21) trans-1,2-Dichloroethene	5.222	96	17671	17.784	ug/l #	72
22) Diisopropyl ether	6.112	45	32153	16.620	ug/l #	74
23) Vinyl Acetate	6.064	43	112138	80.344	ug/l #	80
24) 1,1-Dichloroethane	6.015	63	25237	17.082	ug/l	97
25) 2-Butanone	6.990	43	19465	76.858	ug/l #	77
26) 2,2-Dichloropropane	6.978	77	28693	17.297	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	20292	17.594	ug/l	77
28) Bromochloromethane	7.332	49	8137	16.156	ug/l #	33
29) Tetrahydrofuran	7.344	42	10989	74.555	ug/l #	49
30) Chloroform	7.502	83	33234	17.572	ug/l	93
31) Cyclohexane	7.789	56	21449	18.691	ug/l #	72
32) 1,1,1-Trichloroethane	7.704	97	33848	17.995	ug/l	95
36) 1,1-Dichloropropene	7.917	75	22391	19.072	ug/l	94
37) Ethyl Acetate	7.076	43	8437	15.963	ug/l #	88
38) Carbon Tetrachloride	7.899	117	32806	19.082	ug/l	95
39) Methylcyclohexane	9.179	83	27929	19.683	ug/l #	82
40) Benzene	8.161	78	60614	18.095	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	4672	16.028	ug/l #	1
42) 1,2-Dichloroethane	8.234	62	21157	17.243	ug/l	93
43) Isopropyl Acetate	8.271	43	16582	15.360	ug/l #	93
44) Trichloroethene	8.941	130	21578	18.984	ug/l	86
45) 1,2-Dichloropropane	9.215	63	12585	17.654	ug/l	96
46) Dibromomethane	9.301	93	11033	18.049	ug/l	98
47) Bromodichloromethane	9.496	83	24487	17.787	ug/l #	99
48) Methyl methacrylate	9.295	41	7136	15.674	ug/l #	45
49) 1,4-Dioxane	9.301	88	2701	347.284	ug/l #	73
51) 4-Methyl-2-Pentanone	10.069	43	44745	82.352	ug/l #	87
52) Toluene	10.246	92	41278	18.067	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	23090	16.715	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	26261	18.005	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	14413	18.307	ug/l #	85
56) Ethyl methacrylate	10.508	69	15198	16.379	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	21248	17.589	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	35139	77.820	ug/l #	75
59) 2-Hexanone	10.831	43	31317	80.876	ug/l	87
60) Dibromochloromethane	10.983	129	19495	18.307	ug/l	98
61) 1,2-Dibromoethane	11.087	107	13603	17.170	ug/l	99
64) Tetrachloroethene	10.715	164	21334	22.249	ug/l	95
65) Chlorobenzene	11.514	112	47686	18.573	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	18530	18.215	ug/l	96
67) Ethyl Benzene	11.587	91	82419	19.141	ug/l	96
68) m/p-Xylenes	11.703	106	65576	38.886	ug/l	92
69) o-Xylene	12.026	106	31143	18.778	ug/l	93
70) Styrene	12.044	104	51875	18.698	ug/l	98
71) Bromoform	12.209	173	11903	17.665	ug/l #	96
73) Isopropylbenzene	12.331	105	86834	19.644	ug/l	98
74) N-amyl acetate	12.142	43	14291	16.601	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	13968	17.427	ug/l	95
76) 1,2,3-Trichloropropane	12.630	75	10229m	17.822	ug/l	
77) Bromobenzene	12.605	156	21050	18.268	ug/l	80
78) n-propylbenzene	12.666	91	101957	19.971	ug/l	97
79) 2-Chlorotoluene	12.751	91	54173	19.061	ug/l	91
80) 1,3,5-Trimethylbenzene	12.812	105	72043	19.158	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	4550	17.046	ug/l	95
82) 4-Chlorotoluene	12.855	91	54853	18.926	ug/l	94
83) tert-Butylbenzene	13.075	119	66274	19.722	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	71434	19.381	ug/l	99
85) sec-Butylbenzene	13.251	105	91215	19.210	ug/l	96
86) p-Isopropyltoluene	13.367	119	79300	19.433	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	40064	18.716	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	39378	18.790	ug/l	99
89) n-Butylbenzene	13.690	91	71251	19.393	ug/l	95
90) Hexachloroethane	13.959	117	15385	18.704	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	35542	18.278	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3087	19.149	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	25297	18.657	ug/l	98
94) Hexachlorobutadiene	15.105	225	15076	20.040	ug/l	98
95) Naphthalene	15.233	128	51236	17.606	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	21552	18.399	ug/l	96

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

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