

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011322\
 Data File : VY007136.D
 Acq On : 13 Jan 2022 11:37
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/14/2022
 Supervised By : Mahesh Dadoda 01/14/2022

Quant Time: Jan 14 05:26:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:26:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	135481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	227242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	203490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	8682	5.304	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.600%#		
35) Dibromofluoromethane	7.722	113	7762	5.071	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.140%#		
50) Toluene-d8	10.179	98	28447	5.040	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.080%#		
62) 4-Bromofluorobenzene	12.483	95	10789	5.311	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.620%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	2253	4.834	ug/l	96
3) Chloromethane	2.119	50	6237	6.367	ug/l	95
4) Vinyl Chloride	2.259	62	7822	5.480	ug/l	99
5) Bromomethane	2.668	94	5297	5.577	ug/l	96
6) Chloroethane	2.802	64	4685	5.342	ug/l #	85
7) Trichlorofluoromethane	3.131	101	7394	4.329	ug/l	97
8) Diethyl Ether	3.527	74	4457	5.208	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.911	101	8162	5.432	ug/l	96
10) Methyl Iodide	4.094	142	11778	5.104	ug/l	99
11) Tert butyl alcohol	4.960	59	5480m	41.965	ug/l	
12) 1,1-Dichloroethene	3.875	96	8071	5.228	ug/l	97
13) Acrolein	3.741	56	1348	31.417	ug/l	98
14) Allyl chloride	4.484	41	13122	5.533	ug/l	99
15) Acrylonitrile	5.167	53	10807	27.426	ug/l	99
16) Acetone	3.954	43	11784	36.045	ug/l	95
17) Carbon Disulfide	4.198	76	22519	5.123	ug/l	100
18) Methyl Acetate	4.478	43	8774	6.191	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	16803	5.474	ug/l #	90
20) Methylene Chloride	4.716	84	11383	6.238	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	8935	5.350	ug/l	95
22) Diisopropyl ether	6.112	45	27002	5.588	ug/l	96
23) Vinyl Acetate	6.063	43	73434	26.190	ug/l	100
24) 1,1-Dichloroethane	6.015	63	16038	5.457	ug/l	98
25) 2-Butanone	6.996	43	14534	29.866	ug/l	95
26) 2,2-Dichloropropane	6.984	77	12553	5.559	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	10161	5.398	ug/l	95
28) Bromochloromethane	7.331	49	5160	4.748	ug/l #	95
29) Tetrahydrofuran	7.344	42	9578	28.218	ug/l	98
30) Chloroform	7.508	83	16627	5.381	ug/l	97
31) Cyclohexane	7.789	56	16548	5.938	ug/l #	83
32) 1,1,1-Trichloroethane	7.703	97	14357	5.360	ug/l	97
36) 1,1-Dichloropropene	7.923	75	13447	5.603	ug/l	98
37) Ethyl Acetate	7.069	43	6724	5.641	ug/l	99
38) Carbon Tetrachloride	7.905	117	14019	5.568	ug/l	93
39) Methylcyclohexane	9.185	83	15856	5.293	ug/l	95
40) Benzene	8.161	78	34504	5.324	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	3755	5.576	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	10702	5.376	ug/l	97
43) Isopropyl Acetate	8.276	43	12935	5.597	ug/l	98
44) Trichloroethene	8.941	130	9534	5.321	ug/l	98
45) 1,2-Dichloropropane	9.215	63	8869	5.500	ug/l	93
46) Dibromomethane	9.307	93	5353	5.577	ug/l	96
47) Bromodichloromethane	9.496	83	12579	5.247	ug/l	100
48) Methyl methacrylate	9.295	41	6088	5.889	ug/l	98
49) 1,4-Dioxane	9.337	88	936m	93.367	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	32509	28.481	ug/l	97
52) Toluene	10.246	92	21977	5.309	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	13047	5.198	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	14985	5.302	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	7054	5.403	ug/l	92
56) Ethyl methacrylate	10.508	69	9603	5.249	ug/l	94
57) 1,3-Dichloropropane	10.794	76	12375	5.411	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	24651	29.512	ug/l	98
59) 2-Hexanone	10.837	43	22160	29.728	ug/l	94
60) Dibromochloromethane	10.989	129	8533	5.249	ug/l	100
61) 1,2-Dibromoethane	11.087	107	6824	5.223	ug/l	97
64) Tetrachloroethene	10.721	164	7713	5.320	ug/l	90
65) Chlorobenzene	11.520	112	23418	5.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	8352	5.115	ug/l	99
67) Ethyl Benzene	11.593	91	43426	5.267	ug/l	99
68) m/p-Xylenes	11.703	106	31948	10.354	ug/l	97
69) o-Xylene	12.032	106	15346	5.318	ug/l	98
70) Styrene	12.044	104	25181	5.158	ug/l	99
71) Bromoform	12.209	173	4878	5.221	ug/l #	94
73) Isopropylbenzene	12.331	105	41257	5.191	ug/l	99
74) N-amyl acetate	12.142	43	10828	5.306	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	8144	5.360	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	5810m	5.327	ug/l	
77) Bromobenzene	12.611	156	9279	5.301	ug/l	99
78) n-propylbenzene	12.672	91	51859	5.340	ug/l	99
79) 2-Chlorotoluene	12.757	91	28576	5.175	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	33806	5.177	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.385	75	2905	5.092	ug/l #	96
82) 4-Chlorotoluene	12.855	91	30119	5.282	ug/l	100
83) tert-Butylbenzene	13.080	119	30205	5.262	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	34100	5.302	ug/l	98
85) sec-Butylbenzene	13.257	105	44667	5.318	ug/l	99
86) p-Isopropyltoluene	13.373	119	36394	5.281	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	17937	5.301	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	18927	5.604	ug/l	96
89) n-Butylbenzene	13.696	91	36511	5.432	ug/l	100
90) Hexachloroethane	13.964	117	6943	5.092	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	16262	5.459	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1476	5.822	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	10425	5.883	ug/l	100
94) Hexachlorobutadiene	15.111	225	5600	6.129	ug/l	97
95) Naphthalene	15.239	128	21563	5.812	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	8825	5.913	ug/l	98

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

