

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010522\
 Data File : VY007014.D
 Acq On : 05 Jan 2022 12:23
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/10.0mL/MSVOA_Y/soil
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/06/2022
 Supervised By : Mahesh Dadoda 01/06/2022

Quant Time: Jan 06 04:28:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 06 04:16:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	180415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	304790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	267945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	121150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	21096	10.434	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.860%#		
35) Dibromofluoromethane	7.722	113	20053	11.504	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.000%#		
50) Toluene-d8	10.185	98	74490	10.468	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.940%#		
62) 4-Bromofluorobenzene	12.489	95	28743	11.696	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	23.400%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	5115	3.099	ug/l	96
3) Chloromethane	2.119	50	14754	7.402	ug/l	96
4) Vinyl Chloride	2.259	62	16674	7.220	ug/l	99
5) Bromomethane	2.668	94	11627	7.661	ug/l	97
6) Chloroethane	2.802	64	10586	7.810	ug/l	97
7) Trichlorofluoromethane	3.137	101	20678	6.931	ug/l	95
8) Diethyl Ether	3.527	74	11066	10.267	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.905	101	21313	11.988	ug/l	97
10) Methyl Iodide	4.094	142	32905	15.700	ug/l	99
11) Tert butyl alcohol	4.948	59	9445	53.877	ug/l	99
12) 1,1-Dichloroethene	3.881	96	21892	12.066	ug/l	96
13) Acrolein	3.735	56	2528	25.958	ug/l	91
14) Allyl chloride	4.485	41	34193	10.282	ug/l	99
15) Acrylonitrile	5.173	53	26322	46.699	ug/l	96
16) Acetone	3.948	43	21386	41.346	ug/l	91
17) Carbon Disulfide	4.198	76	64736	10.955	ug/l	98
18) Methyl Acetate	4.485	43	20001	10.629	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	39475	8.193	ug/l	99
20) Methylene Chloride	4.716	84	59982	25.746	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	23331	11.669	ug/l	91
22) Diisopropyl ether	6.124	45	63640	9.725	ug/l	96
23) Vinyl Acetate	6.064	43	186276	47.037	ug/l	99
24) 1,1-Dichloroethane	6.021	63	39974	11.030	ug/l	96
25) 2-Butanone	6.990	43	31419	42.605	ug/l	96
26) 2,2-Dichloropropane	6.984	77	31473	9.899	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	26501	11.871	ug/l	100
28) Bromochloromethane	7.338	49	12580	8.402	ug/l	97
29) Tetrahydrofuran	7.356	42	22874	46.708	ug/l	99
30) Chloroform	7.508	83	41484	11.361	ug/l	98
31) Cyclohexane	7.795	56	41614	11.008	ug/l #	89
32) 1,1,1-Trichloroethane	7.710	97	38394	11.510	ug/l	99
36) 1,1-Dichloropropene	7.923	75	33028	10.471	ug/l	99
37) Ethyl Acetate	7.076	43	16318	9.082	ug/l	97
38) Carbon Tetrachloride	7.905	117	34839	10.506	ug/l	95
39) Methylcyclohexane	9.185	83	44196	11.110	ug/l	94
40) Benzene	8.167	78	90586	10.223	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	8961m	7.813	ug/l	
42) 1,2-Dichloroethane	8.246	62	26710	9.475	ug/l	99
43) Isopropyl Acetate	8.277	43	29962	8.717	ug/l	99
44) Trichloroethene	8.947	130	25547	10.994	ug/l	94
45) 1,2-Dichloropropane	9.221	63	21487	9.854	ug/l	99
46) Dibromomethane	9.313	93	12531	10.570	ug/l	99
47) Bromodichloromethane	9.502	83	31850	10.540	ug/l	97
48) Methyl methacrylate	9.295	41	14176	8.656	ug/l	99
49) 1,4-Dioxane	9.301	88	2399	164.245	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	74193	41.948	ug/l	98
52) Toluene	10.252	92	57949	10.479	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	33660	10.240	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	37358	10.345	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	17551	10.582	ug/l	99
56) Ethyl methacrylate	10.514	69	24323	9.755	ug/l	99
57) 1,3-Dichloropropane	10.794	76	29599	9.934	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	56346	47.139	ug/l	100
59) 2-Hexanone	10.837	43	49078	40.044	ug/l	98
60) Dibromochloromethane	10.989	129	21426	10.604	ug/l	99
61) 1,2-Dibromoethane	11.093	107	17557	11.042	ug/l	99
64) Tetrachloroethene	10.721	164	20277	9.323	ug/l	98
65) Chlorobenzene	11.520	112	60725	11.000	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	21416	10.586	ug/l	98
67) Ethyl Benzene	11.599	91	114395	11.035	ug/l	99
68) m/p-Xylenes	11.709	106	87726	22.275	ug/l	100
69) o-Xylene	12.032	106	40174	10.826	ug/l	96
70) Styrene	12.050	104	68577	10.885	ug/l	100
71) Bromoform	12.215	173	12510	9.989	ug/l #	100
73) Isopropylbenzene	12.337	105	109562	11.927	ug/l	100
74) N-amyl acetate	12.148	43	25857	9.382	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	19192	11.361	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	15101m	11.928	ug/l	
77) Bromobenzene	12.611	156	23246	10.912	ug/l	98
78) n-propylbenzene	12.678	91	134082	11.868	ug/l	99
79) 2-Chlorotoluene	12.764	91	75152	11.932	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	90631	11.834	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	7881	12.108	ug/l #	94
82) 4-Chlorotoluene	12.861	91	77981	11.980	ug/l	98
83) tert-Butylbenzene	13.081	119	80356	12.185	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	88801	11.753	ug/l	100
85) sec-Butylbenzene	13.257	105	115932	11.738	ug/l	99
86) p-Isopropyltoluene	13.373	119	96498	11.650	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	45721	10.936	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	44819	10.826	ug/l	97
89) n-Butylbenzene	13.702	91	92269	11.646	ug/l	100
90) Hexachloroethane	13.965	117	18943	12.371	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	39356	10.740	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3531	11.124	ug/l	93
93) 1,2,4-Trichlorobenzene	15.013	180	22791	9.566	ug/l	99
94) Hexachlorobutadiene	15.117	225	12783	8.539	ug/l	98
95) Naphthalene	15.239	128	49677	10.231	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	19880	9.442	ug/l	99

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

