

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021622\
 Data File : VY007507.D
 Acq On : 16 Feb 2022 11:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 17 02:54:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	114295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	189027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	166792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	67666	53.623	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.240%			
35) Dibromofluoromethane	7.722	113	63827	53.543	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.080%			
50) Toluene-d8	10.185	98	240515	53.122	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.240%			
62) 4-Bromofluorobenzene	12.483	95	80653	52.536	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	66947	52.949	ug/l	100
3) Chloromethane	2.119	50	61643	59.126	ug/l	96
4) Vinyl Chloride	2.259	62	67366	52.956	ug/l	99
5) Bromomethane	2.656	94	45562	61.540	ug/l	100
6) Chloroethane	2.802	64	42587	56.574	ug/l	96
7) Trichlorofluoromethane	3.137	101	133288	55.122	ug/l	94
8) Diethyl Ether	3.534	74	36916	52.825	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.912	101	71108	53.483	ug/l	96
10) Methyl Iodide	4.107	142	87618	53.385	ug/l	96
11) Tert butyl alcohol	4.960	59	26233	265.757	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	65079	52.439	ug/l	88
13) Acrolein	3.741	56	20814	209.976	ug/l	98
14) Allyl chloride	4.491	41	91718	52.582	ug/l #	90
15) Acrylonitrile	5.167	53	80252	260.851	ug/l	99
16) Acetone	3.954	43	93885	280.429	ug/l	96
17) Carbon Disulfide	4.204	76	177266	49.590	ug/l	98
18) Methyl Acetate	4.485	43	35121	47.380	ug/l #	86
19) Methyl tert-butyl Ether	5.228	73	185555	53.911	ug/l	90
20) Methylene Chloride	4.722	84	68018	49.570	ug/l #	84
21) trans-1,2-Dichloroethene	5.228	96	70368	51.894	ug/l	84
22) Diisopropyl ether	6.125	45	190000	51.811	ug/l #	94
23) Vinyl Acetate	6.064	43	615441	263.052	ug/l #	91
24) 1,1-Dichloroethane	6.027	63	120872	52.738	ug/l	98
25) 2-Butanone	6.990	43	109441	264.017	ug/l #	83
26) 2,2-Dichloropropane	6.990	77	125011	54.433	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	78694	52.064	ug/l	90
28) Bromochloromethane	7.344	49	43949	50.032	ug/l #	75
29) Tetrahydrofuran	7.350	42	63564	261.307	ug/l #	82
30) Chloroform	7.515	83	133091	53.793	ug/l	98
31) Cyclohexane	7.789	56	108886	48.794	ug/l	85
32) 1,1,1-Trichloroethane	7.710	97	130306	55.305	ug/l	95
36) 1,1-Dichloropropene	7.923	75	101610	52.612	ug/l	99
37) Ethyl Acetate	7.076	43	45249	51.855	ug/l #	95
38) Carbon Tetrachloride	7.905	117	118795	54.132	ug/l	98
39) Methylcyclohexane	9.185	83	127924	51.018	ug/l	89
40) Benzene	8.167	78	273781	51.557	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	23830m	42.067	ug/l	
42) 1,2-Dichloroethane	8.240	62	85690	52.807	ug/l	93
43) Isopropyl Acetate	8.277	43	91958	51.886	ug/l #	89
44) Trichloroethene	8.947	130	79929	53.059	ug/l	99
45) 1,2-Dichloropropane	9.222	63	65413	51.808	ug/l	96
46) Dibromomethane	9.307	93	41218	52.570	ug/l	94
47) Bromodichloromethane	9.502	83	101740	53.433	ug/l #	97
48) Methyl methacrylate	9.295	41	41674	53.061	ug/l #	86
49) 1,4-Dioxane	9.301	88	8868	1050.654	ug/l #	83
51) 4-Methyl-2-Pentanone	10.075	43	230711	262.117	ug/l	91
52) Toluene	10.246	92	179805	52.807	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	107053	53.849	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	117281	52.868	ug/l #	85
55) 1,1,2-Trichloroethane	10.648	97	54759	52.657	ug/l	97
56) Ethyl methacrylate	10.514	69	75223	53.792	ug/l #	83
57) 1,3-Dichloropropane	10.795	76	94952	53.020	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	198499	272.417	ug/l	93
59) 2-Hexanone	10.837	43	167160	263.055	ug/l	91
60) Dibromochloromethane	10.990	129	71204	54.298	ug/l	100
61) 1,2-Dibromoethane	11.093	107	55022	53.067	ug/l	99
64) Tetrachloroethene	10.721	164	69831	53.089	ug/l	93
65) Chlorobenzene	11.520	112	193737	53.033	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	74011	53.643	ug/l	99
67) Ethyl Benzene	11.593	91	360618	52.744	ug/l	99
68) m/p-Xylenes	11.709	106	270580	104.571	ug/l	99
69) o-Xylene	12.032	106	128720	52.574	ug/l	100
70) Styrene	12.044	104	213982	53.155	ug/l	99
71) Bromoform	12.209	173	40819	53.715	ug/l #	99
73) Isopropylbenzene	12.331	105	354281	52.084	ug/l	98
74) N-amyl acetate	12.148	43	78965	51.278	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	58831	50.495	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	41985m	47.326	ug/l	
77) Bromobenzene	12.611	156	74964	51.321	ug/l	97
78) n-propylbenzene	12.672	91	418164	51.088	ug/l	99
79) 2-Chlorotoluene	12.758	91	233132	51.664	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	298153	52.917	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	22238	52.100	ug/l	85
82) 4-Chlorotoluene	12.855	91	239340	51.739	ug/l	100
83) tert-Butylbenzene	13.081	119	260716	52.943	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	296990	54.363	ug/l	99
85) sec-Butylbenzene	13.257	105	381611	52.570	ug/l	99
86) p-Isopropyltoluene	13.373	119	314999	52.682	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	148592	52.252	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	146946	52.076	ug/l	98
89) n-Butylbenzene	13.696	91	298273	52.457	ug/l	100
90) Hexachloroethane	13.965	117	60675	53.105	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	126895	50.666	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9805	49.569	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	78550	52.388	ug/l	98
94) Hexachlorobutadiene	15.117	225	46179	53.100	ug/l	99
95) Naphthalene	15.239	128	171371	52.461	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	67547	52.094	ug/l	98

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

