

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022422\
 Data File : VY007631.D
 Acq On : 24 Feb 2022 20:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/25/2022
 Supervised By : Mahesh Dadoda 02/25/2022

Quant Time: Feb 25 07:16:47 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	7.795	168	90589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	140197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	125629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	57215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	40288	39.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.960%		
35) Dibromofluoromethane	7.722	113	40226	45.472	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.940%		
50) Toluene-d8	10.179	98	137032	42.484	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	84.960%		
62) 4-Bromofluorobenzene	12.483	95	44241	39.552	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	79.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	44037	39.305	ug/l	96
3) Chloromethane	2.113	50	47231	42.757	ug/l	91
4) Vinyl Chloride	2.253	62	55452	41.726	ug/l	97
5) Bromomethane	2.656	94	40538	49.968	ug/l	98
6) Chloroethane	2.796	64	36035	42.619	ug/l	94
7) Trichlorofluoromethane	3.131	101	106809	41.665	ug/l	93
8) Diethyl Ether	3.527	74	25087	38.353	ug/l	62
9) 1,1,2-Trichlorotrifluo...	3.905	101	47745	43.352	ug/l	97
10) Methyl Iodide	4.094	142	59315	44.128	ug/l	98
11) Tert butyl alcohol	4.948	59	17943	176.780	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	43799	42.803	ug/l #	74
13) Acrolein	3.723	56	20922	161.309	ug/l	98
14) Allyl chloride	4.485	41	41148	43.498	ug/l #	62
15) Acrylonitrile	5.161	53	43574	193.163	ug/l	98
16) Acetone	3.948	43	38392	167.277	ug/l #	84
17) Carbon Disulfide	4.198	76	100891	39.674	ug/l	96
18) Methyl Acetate	4.472	43	18776	38.294	ug/l #	69
19) Methyl tert-butyl Ether	5.222	73	107895	39.233	ug/l #	88
20) Methylene Chloride	4.722	84	46187	41.922	ug/l #	71
21) trans-1,2-Dichloroethene	5.222	96	42268	41.402	ug/l #	73
22) Diisopropyl ether	6.125	45	81012	40.756	ug/l #	78
23) Vinyl Acetate	6.064	43	289039	201.560	ug/l #	81
24) 1,1-Dichloroethane	6.021	63	65679	43.268	ug/l	98
25) 2-Butanone	6.984	43	46677	179.384	ug/l #	64
26) 2,2-Dichloropropane	6.984	77	70089	41.122	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	48528	40.952	ug/l	79
28) Bromochloromethane	7.338	49	21799	42.127	ug/l #	28
29) Tetrahydrofuran	7.356	42	27693	182.867	ug/l #	56
30) Chloroform	7.508	83	81611	41.998	ug/l	99
31) Cyclohexane	7.783	56	48350	45.196	ug/l #	80
32) 1,1,1-Trichloroethane	7.704	97	81278	42.057	ug/l	95
36) 1,1-Dichloropropene	7.917	75	52023	40.809	ug/l	94
37) Ethyl Acetate	7.070	43	21273	37.067	ug/l #	90
38) Carbon Tetrachloride	7.905	117	76454	40.955	ug/l	97
39) Methylcyclohexane	9.185	83	66410	45.485	ug/l #	79
40) Benzene	8.161	78	150339	41.334	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	12341	38.991	ug/l #	44
42) 1,2-Dichloroethane	8.240	62	51480	38.640	ug/l	94
43) Isopropyl Acetate	8.277	43	42372	36.146	ug/l #	82
44) Trichloroethene	8.941	130	51313	41.577	ug/l	100
45) 1,2-Dichloropropane	9.216	63	32282	41.705	ug/l	98
46) Dibromomethane	9.307	93	25310	38.133	ug/l	97
47) Bromodichloromethane	9.496	83	61099	40.873	ug/l #	99
48) Methyl methacrylate	9.289	41	17663	35.730	ug/l #	53
49) 1,4-Dioxane	9.301	88	6180	731.797	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	110549	187.380	ug/l #	88
52) Toluene	10.246	92	100741	40.607	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	56482	37.656	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	62653	39.561	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	32475	37.988	ug/l	96
56) Ethyl methacrylate	10.508	69	39491	39.195	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	50865	38.779	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	96581	196.987	ug/l #	77
59) 2-Hexanone	10.831	43	75853	180.406	ug/l	87
60) Dibromochloromethane	10.983	129	46436	40.160	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32322	37.574	ug/l	99
64) Tetrachloroethene	10.721	164	46112	47.541	ug/l	97
65) Chlorobenzene	11.514	112	116892	42.686	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	46218	42.597	ug/l	100
67) Ethyl Benzene	11.593	91	199194	43.373	ug/l	96
68) m/p-Xylenes	11.703	106	153079	85.111	ug/l	95
69) o-Xylene	12.032	106	74316	42.013	ug/l	93
70) Styrene	12.044	104	126248	42.665	ug/l	98
71) Bromoform	12.209	173	28028	38.999	ug/l #	96
73) Isopropylbenzene	12.331	105	201703	45.767	ug/l	98
74) N-amyl acetate	12.142	43	37134	43.266	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	33297	41.667	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	24640m	43.059	ug/l	
77) Bromobenzene	12.611	156	49657	43.222	ug/l	79
78) n-propylbenzene	12.672	91	229922	45.171	ug/l	95
79) 2-Chlorotoluene	12.758	91	124900	44.078	ug/l	91
80) 1,3,5-Trimethylbenzene	12.812	105	169499	45.210	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10996	41.317	ug/l	93
82) 4-Chlorotoluene	12.855	91	130221	45.064	ug/l	94
83) tert-Butylbenzene	13.075	119	149840	44.723	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	167610	45.612	ug/l	99
85) sec-Butylbenzene	13.251	105	218033	46.054	ug/l	98
86) p-Isopropyltoluene	13.367	119	185316	45.549	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	93610	43.862	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	92684	44.358	ug/l	100
89) n-Butylbenzene	13.696	91	165612	45.210	ug/l	96
90) Hexachloroethane	13.959	117	37467	45.687	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	83935	43.294	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6512	40.516	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	56483	41.782	ug/l	99
94) Hexachlorobutadiene	15.111	225	34682	46.239	ug/l	99
95) Naphthalene	15.233	128	119261	41.103	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	50066	42.869	ug/l	97

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

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