

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042922\
 Data File : VY008554.D
 Acq On : 29 Apr 2022 10:06
 Operator : KP/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

05/02/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Apr 29 15:32:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	97860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	166214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	158490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108948	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	56811	49.339	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.680%
35) Dibromofluoromethane	7.716	113	54359	50.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.179	98	198983	46.696	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.400%
62) 4-Bromofluorobenzene	12.483	95	71238	49.318	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.640%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	42165	47.447	ug/l	100
3) Chloromethane	2.119	50	72043	51.519	ug/l	96
4) Vinyl Chloride	2.253	62	99907	54.984	ug/l	100
5) Bromomethane	2.650	94	85209	50.434	ug/l	96
6) Chloroethane	2.796	64	66054	54.643	ug/l	99
7) Trichlorofluoromethane	3.131	101	96206	51.111	ug/l	94
8) Diethyl Ether	3.534	74	32523	50.202	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.905	101	56766	50.661	ug/l	95
10) Methyl Iodide	4.094	142	70289	47.692	ug/l	91
11) Tert butyl alcohol	4.960	59	29962	257.687	ug/l	96
12) 1,1-Dichloroethene	3.875	96	52922	50.028	ug/l	84
13) Acrolein	3.729	56	27312	222.790	ug/l	97
14) Allyl chloride	4.478	41	73547	53.265	ug/l #	88
15) Acrylonitrile	5.161	53	81988	247.517	ug/l	99
16) Acetone	3.948	43	69360	258.619	ug/l	93
17) Carbon Disulfide	4.198	76	155235	48.538	ug/l	99
18) Methyl Acetate	4.478	43	35840	47.651	ug/l #	83
19) Methyl tert-butyl Ether	5.222	73	173366	51.794	ug/l	92
20) Methylene Chloride	4.722	84	63478	44.878	ug/l #	80
21) trans-1,2-Dichloroethene	5.222	96	65356	50.647	ug/l #	82
22) Diisopropyl ether	6.118	45	174316	52.278	ug/l #	94
23) Vinyl Acetate	6.057	43	609563	266.644	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	109189	52.607	ug/l	98
25) 2-Butanone	6.984	43	107046	257.995	ug/l #	81
26) 2,2-Dichloropropane	6.984	77	103466	53.823	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	77287	52.361	ug/l	83
28) Bromochloromethane	7.338	49	42340	50.571	ug/l #	71
29) Tetrahydrofuran	7.344	42	67305	251.853	ug/l #	74
30) Chloroform	7.508	83	121410	53.244	ug/l	99
31) Cyclohexane	7.783	56	93545	49.418	ug/l	87
32) 1,1,1-Trichloroethane	7.704	97	107682	53.931	ug/l	96
36) 1,1-Dichloropropene	7.917	75	89123	52.230	ug/l	96
37) Ethyl Acetate	7.076	43	48316	51.200	ug/l #	94
38) Carbon Tetrachloride	7.899	117	96310	54.324	ug/l	97
39) Methylcyclohexane	9.185	83	117165	53.627	ug/l #	85
40) Benzene	8.161	78	266222	53.478	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	19950m	43.594	ug/l	
42) 1,2-Dichloroethane	8.240	62	80012	53.385	ug/l	91
43) Isopropyl Acetate	8.270	43	92471	53.280	ug/l #	87
44) Trichloroethene	8.941	130	73959	53.926	ug/l	99
45) 1,2-Dichloropropane	9.215	63	64659	54.088	ug/l	94
46) Dibromomethane	9.307	93	44733	53.411	ug/l	93
47) Bromodichloromethane	9.496	83	98286	55.282	ug/l	99
48) Methyl methacrylate	9.295	41	40086	54.321	ug/l #	77
49) 1,4-Dioxane	9.295	88	11053	1046.568	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	244380	267.668	ug/l #	85
52) Toluene	10.246	92	178649	54.265	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	106468	55.841	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	114324	54.109	ug/l #	85
55) 1,1,2-Trichloroethane	10.648	97	60536	52.957	ug/l	96
56) Ethyl methacrylate	10.508	69	80313	54.414	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	101061	54.159	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	200584	247.969	ug/l	91
59) 2-Hexanone	10.831	43	174536	277.799	ug/l	83
60) Dibromochloromethane	10.983	129	73913	56.279	ug/l	99
61) 1,2-Dibromoethane	11.087	107	61060	54.007	ug/l	100
64) Tetrachloroethene	10.721	164	62278	52.988	ug/l	95
65) Chlorobenzene	11.520	112	195112	54.445	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	74994	56.682	ug/l	97
67) Ethyl Benzene	11.593	91	341886	54.970	ug/l	98
68) m/p-Xylenes	11.703	106	278982	111.985	ug/l	91
69) o-Xylene	12.032	106	133068	55.482	ug/l	91
70) Styrene	12.044	104	229129	56.690	ug/l	94
71) Bromoform	12.209	173	46332	55.878	ug/l #	99
73) Isopropylbenzene	12.331	105	346493	41.946	ug/l	100
74) N-amyl acetate	12.148	43	87024	42.637	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.587	83	74962	40.616	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	48733m	34.563	ug/l	
77) Bromobenzene	12.611	156	80645	40.031	ug/l	95
78) n-propylbenzene	12.678	91	442953	44.706	ug/l	97
79) 2-Chlorotoluene	12.757	91	275050	49.323	ug/l	91
80) 1,3,5-Trimethylbenzene	12.812	105	356461	51.989	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	26103	42.949	ug/l #	82
82) 4-Chlorotoluene	12.855	91	283923	49.132	ug/l	91
83) tert-Butylbenzene	13.075	119	336257	56.494	ug/l	90
84) 1,2,4-Trimethylbenzene	13.123	105	358793	52.740	ug/l	96
85) sec-Butylbenzene	13.257	105	466013	51.879	ug/l	96
86) p-Isopropyltoluene	13.373	119	402491	53.503	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	218390	54.147	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	215631	53.971	ug/l	98
89) n-Butylbenzene	13.702	91	351568	51.490	ug/l	97
90) Hexachloroethane	13.965	117	76686	56.700	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	197143	54.972	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11032	39.774	ug/l	77
93) 1,2,4-Trichlorobenzene	15.013	180	82309	41.232	ug/l	99
94) Hexachlorobutadiene	15.117	225	41624	42.735	ug/l	98
95) Naphthalene	15.239	128	178276	39.394	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	70206	40.181	ug/l	99

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

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