

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072321\
 Data File : VY005438.D
 Acq On : 24 Jul 2021 00:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/26/2021 5:20:35 PM

Quant Time: Jul 24 03:06:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	245023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	379891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	359996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	185930	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	160880	61.46	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.92%			
35) Dibromofluoromethane	7.728	113	127679	58.21	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.42%			
50) Toluene-d8	10.185	98	529488	56.95	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.90%			
62) 4-Bromofluorobenzene	12.483	95	179297	58.43	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	95595	43.10	ug/l	100
3) Chloromethane	2.119	50	128888	47.40	ug/l	98
4) Vinyl Chloride	2.253	62	152247	47.02	ug/l	100
5) Bromomethane	2.656	94	112342	47.48	ug/l	97
6) Chloroethane	2.796	64	100073	49.20	ug/l	99
7) Trichlorofluoromethane	3.131	101	204214	48.23	ug/l	99
8) Diethyl Ether	3.540	74	79135	53.09	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	110236	47.90	ug/l	99
10) Methyl Iodide	4.101	142	131679	50.42	ug/l	99
11) Tert butyl alcohol	4.979	59	70047	283.27	ug/l #	86
12) 1,1-Dichloroethene	3.881	96	113604	48.50	ug/l	99
13) Acrolein	3.741	56	58305	257.48	ug/l	98
14) Allyl chloride	4.491	41	217548	51.89	ug/l	99
15) Acrylonitrile	5.180	53	208779	282.05	ug/l	100
16) Acetone	3.960	43	160273	268.11	ug/l	98
17) Carbon Disulfide	4.204	76	374789	48.38	ug/l	100
18) Methyl Acetate	4.491	43	94747	56.39	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	397357	56.22	ug/l	100
20) Methylene Chloride	4.723	84	186779	60.30	ug/l	99
21) trans-1,2-Dichloroethene	5.229	96	134027	50.93	ug/l	98
22) Diisopropyl ether	6.131	45	474241	58.28	ug/l	99
23) Vinyl Acetate	6.076	43	1585611	296.27	ug/l	100
24) 1,1-Dichloroethane	6.027	63	251042	55.97	ug/l	98
25) 2-Butanone	6.996	43	270480	302.14	ug/l	95
26) 2,2-Dichloropropane	6.990	77	198699	48.72	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	156818	55.70	ug/l	99
28) Bromochloromethane	7.344	49	98872	54.76	ug/l	97
29) Tetrahydrofuran	7.362	42	186421	314.45	ug/l	97
30) Chloroform	7.515	83	254723	57.41	ug/l	97
31) Cyclohexane	7.789	56	230387	51.54	ug/l	93
32) 1,1,1-Trichloroethane	7.710	97	225667	54.93	ug/l	99
36) 1,1-Dichloropropene	7.923	75	190427	51.84	ug/l	100
37) Ethyl Acetate	7.088	43	125007	55.91	ug/l	99
38) Carbon Tetrachloride	7.911	117	204015	50.83	ug/l	99
39) Methylcyclohexane	9.185	83	238825	50.70	ug/l	99
40) Benzene	8.167	78	570159	54.01	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	66618m	56.85	ug/l	
42) 1,2-Dichloroethane	8.246	62	191398	56.05	ug/l	99
43) Isopropyl Acetate	8.283	43	241006	59.52	ug/l	98
44) Trichloroethene	8.947	130	148596	51.91	ug/l	98
45) 1,2-Dichloropropane	9.222	63	144601	55.63	ug/l	97
46) Dibromomethane	9.313	93	80204	56.06	ug/l	97
47) Bromodichloromethane	9.502	83	202891	56.42	ug/l	100
48) Methyl methacrylate	9.301	41	109417	58.11	ug/l	98
49) 1,4-Dioxane	9.307	88	23412	1160.19	ug/l #	94
51) 4-Methyl-2-Pentanone	10.075	43	639238	297.37	ug/l	100
52) Toluene	10.246	92	360641	53.80	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	220259	54.76	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	241156	54.54	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	116299	56.65	ug/l	99
56) Ethyl methacrylate	10.514	69	182048	58.72	ug/l	99
57) 1,3-Dichloropropane	10.795	76	207932	56.94	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	453757	306.05	ug/l	99
59) 2-Hexanone	10.837	43	454102	301.40	ug/l	100
60) Dibromochloromethane	10.990	129	141498	56.43	ug/l	100
61) 1,2-Dibromoethane	11.093	107	110878	57.05	ug/l	100
64) Tetrachloroethene	10.721	164	139625	51.34	ug/l	98
65) Chlorobenzene	11.520	112	388785	52.73	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	148588	53.96	ug/l	99
67) Ethyl Benzene	11.593	91	699111	52.08	ug/l	100
68) m/p-Xylenes	11.703	106	543526	104.28	ug/l	99
69) o-Xylene	12.032	106	265986	53.64	ug/l	98
70) Styrene	12.044	104	453993	53.92	ug/l	99
71) Bromoform	12.209	173	96984	55.10	ug/l #	99
73) Isopropylbenzene	12.331	105	676610	52.77	ug/l	100
74) N-amyl acetate	12.148	43	227297	58.23	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	136419	55.73	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	102285m	55.91	ug/l	
77) Bromobenzene	12.611	156	169527	53.99	ug/l	98
78) n-propylbenzene	12.672	91	811612	52.47	ug/l	100
79) 2-Chlorotoluene	12.758	91	463627	53.36	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	573600	53.56	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	50654	53.76	ug/l	99
82) 4-Chlorotoluene	12.855	91	476716	53.01	ug/l	100
83) tert-Butylbenzene	13.075	119	507179	53.17	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	573489	53.39	ug/l	100
85) sec-Butylbenzene	13.258	105	725111	52.70	ug/l	99
86) p-Isopropyltoluene	13.373	119	620086	52.34	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	326711	53.05	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	323125	52.96	ug/l	100
89) n-Butylbenzene	13.697	91	559078	51.41	ug/l	99
90) Hexachloroethane	13.965	117	114589	53.81	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	295148	53.67	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	26443	55.70	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	198186	52.23	ug/l	99
94) Hexachlorobutadiene	15.117	225	121270	50.43	ug/l	99
95) Naphthalene	15.239	128	424838	55.66	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	182025	53.23	ug/l	100

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

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