

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051121\
 Data File : VY004736.D
 Acq On : 11 May 2021 10:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/12/2021 10:42:54 AM

Quant Time: May 12 00:57:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	196501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	317136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	290641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139431	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	120822	51.66	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.32%	
35) Dibromofluoromethane	7.728	113	94439	54.40	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.80%	
50) Toluene-d8	10.185	98	414029	52.79	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.58%	
62) 4-Bromofluorobenzene	12.483	95	139859	52.84	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.68%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	95736	53.20	ug/l	98
3) Chloromethane	2.119	50	142519	48.87	ug/l	98
4) Vinyl Chloride	2.259	62	148773	49.86	ug/l	98
5) Bromomethane	2.662	94	81817	53.76	ug/l	98
6) Chloroethane	2.802	64	92147	52.33	ug/l	97
7) Trichlorofluoromethane	3.137	101	189811	53.58	ug/l	96
8) Diethyl Ether	3.540	74	65171	52.07	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.911	101	106793	53.14	ug/l	98
10) Methyl Iodide	4.100	142	121758	56.67	ug/l	99
11) Tert butyl alcohol	4.972	59	58356	248.26	ug/l	99
12) 1,1-Dichloroethene	3.881	96	103370	53.22	ug/l	97
13) Acrolein	3.741	56	71269	257.90	ug/l	98
14) Allyl chloride	4.491	41	202613	53.38	ug/l	99
15) Acrylonitrile	5.179	53	166813	265.90	ug/l	99
16) Acetone	3.960	43	124672	237.31	ug/l	99
17) Carbon Disulfide	4.204	76	326608	55.06	ug/l	99
18) Methyl Acetate	4.491	43	85900	51.27	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	289367	54.17	ug/l	99
20) Methylene Chloride	4.728	84	120077	49.16	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	119718	54.25	ug/l	99
22) Diisopropyl ether	6.131	45	399994	54.79	ug/l	97
23) Vinyl Acetate	6.070	43	1517672	276.79	ug/l	100
24) 1,1-Dichloroethane	6.033	63	223233	54.34	ug/l	99
25) 2-Butanone	6.996	43	238328	255.35	ug/l	100
26) 2,2-Dichloropropane	6.990	77	203396	56.68	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	134061	54.70	ug/l	99
28) Bromochloromethane	7.344	49	108293	53.96	ug/l	97
29) Tetrahydrofuran	7.362	42	160020	268.76	ug/l	98
30) Chloroform	7.514	83	218411	53.96	ug/l	100
31) Cyclohexane	7.795	56	197075	52.05	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	198561	54.73	ug/l	99
36) 1,1-Dichloropropene	7.929	75	175726	54.07	ug/l	100
37) Ethyl Acetate	7.082	43	119323	53.58	ug/l	99
38) Carbon Tetrachloride	7.911	117	166854	57.12	ug/l	98
39) Methylcyclohexane	9.185	83	199022	56.15	ug/l	98
40) Benzene	8.167	78	501976	54.63	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	61095	50.20	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	157173	54.17	ug/l	100
43) Isopropyl Acetate	8.283	43	229212	55.44	ug/l	100
44) Trichloroethene	8.947	130	135949	55.04	ug/l	98
45) 1,2-Dichloropropane	9.221	63	129876	54.03	ug/l	99
46) Dibromomethane	9.313	93	71999	53.86	ug/l	100
47) Bromodichloromethane	9.502	83	171301	54.02	ug/l	95
48) Methyl methacrylate	9.301	41	102692	54.58	ug/l	99
49) 1,4-Dioxane	9.307	88	16618	1055.76	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	614609	276.28	ug/l	100
52) Toluene	10.252	92	321053	55.34	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	193349	55.04	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	215205	55.06	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	99044	53.84	ug/l	98
56) Ethyl methacrylate	10.514	69	151656	57.00	ug/l	98
57) 1,3-Dichloropropane	10.794	76	176716	54.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	331718	241.56	ug/l	99
59) 2-Hexanone	10.837	43	419064	278.00	ug/l	99
60) Dibromochloromethane	10.989	129	119298	54.54	ug/l	98
61) 1,2-Dibromoethane	11.093	107	96873	54.62	ug/l	99
64) Tetrachloroethene	10.721	164	140909	53.66	ug/l	99
65) Chlorobenzene	11.520	112	330908	55.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	119608	55.00	ug/l	100
67) Ethyl Benzene	11.599	91	624750	56.22	ug/l	98
68) m/p-Xylenes	11.709	106	477697	114.40	ug/l	99
69) o-Xylene	12.032	106	220737	56.56	ug/l	99
70) Styrene	12.050	104	377525	57.70	ug/l	99
71) Bromoform	12.215	173	73602	55.87	ug/l #	99
73) Isopropylbenzene	12.337	105	606983	57.71	ug/l	100
74) N-amyl acetate	12.148	43	214561	57.69	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	116626	55.56	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	74526m	50.32	ug/l	
77) Bromobenzene	12.611	156	132818	55.92	ug/l	98
78) n-propylbenzene	12.678	91	744068	57.97	ug/l	100
79) 2-Chlorotoluene	12.763	91	400440	56.85	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	505873	57.91	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	47813	55.98	ug/l #	75
82) 4-Chlorotoluene	12.861	91	423447	57.89	ug/l	100
83) tert-Butylbenzene	13.081	119	428273	57.43	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	500647	57.26	ug/l	100
85) sec-Butylbenzene	13.257	105	634806	58.55	ug/l	100
86) p-Isopropyltoluene	13.373	119	551438	58.67	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	257753	55.33	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	257864	56.17	ug/l	100
89) n-Butylbenzene	13.702	91	536040	58.34	ug/l	100
90) Hexachloroethane	13.964	117	76240	57.59	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	230021	55.97	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20779	52.98	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	146592	55.38	ug/l	99
94) Hexachlorobutadiene	15.117	225	79883	55.71	ug/l	99
95) Naphthalene	15.239	128	323384	56.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	131151	55.98	ug/l	99

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

