

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051321\
 Data File : VY004759.D
 Acq On : 13 May 2021 12:20
 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
 5/14/2021 6:50:17 PM

Quant Time: May 14 02:26:24 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	196151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	316937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	289225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139103	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	116349	49.83	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.66%		
35) Dibromofluoromethane	7.728	113	91483	52.73	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.46%		
50) Toluene-d8	10.185	98	400582	51.11	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.22%		
62) 4-Bromofluorobenzene	12.489	95	132811	50.20	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.40%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	98307	54.73	ug/l	100
3) Chloromethane	2.119	50	147200	50.57	ug/l	95
4) Vinyl Chloride	2.259	62	151261	50.78	ug/l	99
5) Bromomethane	2.662	94	82272	54.16	ug/l	96
6) Chloroethane	2.802	64	92547	52.65	ug/l	91
7) Trichlorofluoromethane	3.137	101	191963	54.29	ug/l	96
8) Diethyl Ether	3.539	74	66808	53.48	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.917	101	110218	54.95	ug/l	98
10) Methyl Iodide	4.106	142	123163	57.42	ug/l	99
11) Tert butyl alcohol	4.984	59	58430	249.02	ug/l	99
12) 1,1-Dichloroethene	3.887	96	104920	54.11	ug/l	97
13) Acrolein	3.747	56	71404	258.85	ug/l	98
14) Allyl chloride	4.491	41	205943	54.35	ug/l	99
15) Acrylonitrile	5.179	53	167344	267.22	ug/l	98
16) Acetone	3.966	43	125678	239.65	ug/l	96
17) Carbon Disulfide	4.204	76	332376	56.14	ug/l	100
18) Methyl Acetate	4.491	43	88499	52.92	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	294023	55.14	ug/l	98
20) Methylene Chloride	4.734	84	131716	55.04	ug/l	99
21) trans-1,2-Dichloroethene	5.234	96	119985	54.47	ug/l	96
22) Diisopropyl ether	6.130	45	414739	56.91	ug/l	99
23) Vinyl Acetate	6.076	43	1541418	281.62	ug/l	99
24) 1,1-Dichloroethane	6.033	63	227573	55.49	ug/l	98
25) 2-Butanone	7.002	43	245261	263.24	ug/l	98
26) 2,2-Dichloropropane	6.996	77	205423	57.35	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	137042	56.02	ug/l	99
28) Bromochloromethane	7.344	49	102567	51.20	ug/l	99
29) Tetrahydrofuran	7.362	42	161567	271.84	ug/l	99
30) Chloroform	7.520	83	221710	54.87	ug/l	97
31) Cyclohexane	7.795	56	200542	53.06	ug/l	96
32) 1,1,1-Trichloroethane	7.716	97	201358	55.60	ug/l	99
36) 1,1-Dichloropropene	7.929	75	181171	55.78	ug/l	100
37) Ethyl Acetate	7.088	43	119680	53.77	ug/l	99
38) Carbon Tetrachloride	7.911	117	169374	58.01	ug/l	98
39) Methylcyclohexane	9.191	83	204484	57.73	ug/l	99
40) Benzene	8.167	78	514837	56.07	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	57550m	47.31	ug/l	
42) 1,2-Dichloroethane	8.246	62	158299	54.59	ug/l	100
43) Isopropyl Acetate	8.283	43	231229	55.96	ug/l	100
44) Trichloroethene	8.947	130	137114	55.55	ug/l	98
45) 1,2-Dichloropropane	9.221	63	135084	56.24	ug/l	98
46) Dibromomethane	9.313	93	73180	54.77	ug/l	99
47) Bromodichloromethane	9.502	83	178403	56.30	ug/l	99
48) Methyl methacrylate	9.301	41	106213	56.48	ug/l	99
49) 1,4-Dioxane	9.313	88	16209	1030.42	ug/l	96
51) 4-Methyl-2-Pentanone	10.081	43	625037	281.14	ug/l	99
52) Toluene	10.252	92	327587	56.51	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	196862	56.08	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	218622	55.97	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	102336	55.66	ug/l	97
56) Ethyl methacrylate	10.514	69	153568	57.76	ug/l	99
57) 1,3-Dichloropropane	10.794	76	182683	55.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	340190	247.88	ug/l	99
59) 2-Hexanone	10.837	43	424018	281.46	ug/l	98
60) Dibromochloromethane	10.989	129	121456	55.56	ug/l	97
61) 1,2-Dibromoethane	11.093	107	98975	55.84	ug/l	97
64) Tetrachloroethene	10.727	164	143633	54.97	ug/l	96
65) Chlorobenzene	11.520	112	339030	56.96	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	122327	56.53	ug/l	100
67) Ethyl Benzene	11.599	91	641205	57.98	ug/l	99
68) m/p-Xylenes	11.709	106	484688	116.64	ug/l	99
69) o-Xylene	12.038	106	224304	57.76	ug/l	99
70) Styrene	12.050	104	382870	58.81	ug/l	100
71) Bromoform	12.215	173	74073	56.50	ug/l #	99
73) Isopropylbenzene	12.337	105	614902	58.60	ug/l	99
74) N-amyl acetate	12.148	43	218274	58.83	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	119819	57.22	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	75441m	51.06	ug/l	
77) Bromobenzene	12.611	156	133547	56.36	ug/l	100
78) n-propylbenzene	12.678	91	755783	59.02	ug/l	100
79) 2-Chlorotoluene	12.763	91	408647	58.15	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	512278	58.78	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.385	75	48324	56.71	ug/l #	77
82) 4-Chlorotoluene	12.861	91	429570	58.86	ug/l	100
83) tert-Butylbenzene	13.080	119	432602	58.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	512212	58.72	ug/l	100
85) sec-Butylbenzene	13.257	105	644671	59.60	ug/l	99
86) p-Isopropyltoluene	13.373	119	560090	59.73	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	265807	57.19	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	260507	56.88	ug/l	100
89) n-Butylbenzene	13.702	91	543687	59.31	ug/l	100
90) Hexachloroethane	13.964	117	77730	58.86	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	233975	57.07	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20719	52.95	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	152807	57.86	ug/l	100
94) Hexachlorobutadiene	15.117	225	82614	57.75	ug/l	100
95) Naphthalene	15.239	128	338364	59.20	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	135460	57.95	ug/l	99

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

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