

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051321\
 Data File : VY004762.D
 Acq On : 13 May 2021 14:01
 Operator : SY/MD
 Sample : VY0513SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0513SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/14/2021 6:50:21 PM

Quant Time: May 14 02:27:40 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	182766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	305621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	278182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129414	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	113760	52.29	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.58%
35) Dibromofluoromethane	7.728	113	90416	54.04	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.08%
50) Toluene-d8	10.185	98	374417	49.54	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.08%
62) 4-Bromofluorobenzene	12.483	95	123151	48.28	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.56%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	33759	20.17	ug/l	98
3) Chloromethane	2.119	50	53104	19.58	ug/l	98
4) Vinyl Chloride	2.259	62	52777	19.02	ug/l	99
5) Bromomethane	2.649	94	30408	21.48	ug/l	96
6) Chloroethane	2.802	64	32635	19.93	ug/l	92
7) Trichlorofluoromethane	3.131	101	67435	20.47	ug/l	96
8) Diethyl Ether	3.533	74	24071	20.68	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.911	101	38159	20.42	ug/l	98
10) Methyl Iodide	4.106	142	43699	21.87	ug/l	99
11) Tert butyl alcohol	4.978	59	23200	106.12	ug/l	95
12) 1,1-Dichloroethene	3.881	96	36485	20.19	ug/l	98
13) Acrolein	3.747	56	25040	97.42	ug/l	100
14) Allyl chloride	4.497	41	71867	20.36	ug/l	100
15) Acrylonitrile	5.179	53	59820	102.52	ug/l	99
16) Acetone	3.960	43	51259	104.90	ug/l	96
17) Carbon Disulfide	4.204	76	115766	20.98	ug/l	99
18) Methyl Acetate	4.490	43	31802	20.41	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	102127	20.55	ug/l	97
20) Methylene Chloride	4.728	84	55362	19.18	ug/l	96
21) trans-1,2-Dichloroethene	5.234	96	41775	20.35	ug/l	99
22) Diisopropyl ether	6.130	45	140292	20.66	ug/l	97
23) Vinyl Acetate	6.076	43	518620	101.69	ug/l	100
24) 1,1-Dichloroethane	6.033	63	78988	20.67	ug/l	98
25) 2-Butanone	7.002	43	88422	101.86	ug/l	99
26) 2,2-Dichloropropane	6.996	77	66816	20.02	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	46990	20.62	ug/l	99
28) Bromochloromethane	7.344	49	39666	21.25	ug/l	100
29) Tetrahydrofuran	7.362	42	54063	97.63	ug/l	99
30) Chloroform	7.520	83	78227	20.78	ug/l	98
31) Cyclohexane	7.795	56	68412	19.43	ug/l	94
32) 1,1,1-Trichloroethane	7.715	97	68629	20.34	ug/l	99
36) 1,1-Dichloropropene	7.923	75	60875	19.44	ug/l	100
37) Ethyl Acetate	7.088	43	41668	19.41	ug/l	99
38) Carbon Tetrachloride	7.904	117	53892	19.14	ug/l	99
39) Methylcyclohexane	9.191	83	64202	18.80	ug/l	98
40) Benzene	8.167	78	177812	20.08	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	23258	19.83	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	55935	20.00	ug/l	99
43) Isopropyl Acetate	8.282	43	78784	19.77	ug/l	99
44) Trichloroethene	8.947	130	46712	19.63	ug/l	96
45) 1,2-Dichloropropane	9.221	63	46197	19.94	ug/l	94
46) Dibromomethane	9.313	93	25314	19.65	ug/l	99
47) Bromodichloromethane	9.502	83	60956	19.95	ug/l	98
48) Methyl methacrylate	9.301	41	34658	19.11	ug/l	100
49) 1,4-Dioxane	9.307	88	5488	361.79	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	209556	97.75	ug/l	99
52) Toluene	10.252	92	109550	19.60	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	65768	19.43	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	72771	19.32	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	35048	19.77	ug/l	100
56) Ethyl methacrylate	10.514	69	49296	19.23	ug/l	100
57) 1,3-Dichloropropane	10.794	76	63274	20.07	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	140202	105.94	ug/l	99
59) 2-Hexanone	10.837	43	139917	96.32	ug/l	100
60) Dibromochloromethane	10.989	129	40924	19.41	ug/l	100
61) 1,2-Dibromoethane	11.093	107	33335	19.50	ug/l	99
64) Tetrachloroethene	10.721	164	48406	19.26	ug/l	99
65) Chlorobenzene	11.520	112	114268	19.96	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	41890	20.13	ug/l	100
67) Ethyl Benzene	11.599	91	209495	19.69	ug/l	97
68) m/p-Xylenes	11.709	106	155785	38.98	ug/l	99
69) o-Xylene	12.032	106	73760	19.75	ug/l	97
70) Styrene	12.050	104	123243	19.68	ug/l	100
71) Bromoform	12.209	173	24724	19.61	ug/l #	100
73) Isopropylbenzene	12.331	105	196467	20.12	ug/l	99
74) N-amyl acetate	12.148	43	68858	19.95	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	40840	20.96	ug/l	97
76) 1,2,3-Trichloropropane	12.635	75	31564m	22.96	ug/l	
77) Bromobenzene	12.611	156	45357	20.58	ug/l	99
78) n-propylbenzene	12.678	91	238958	20.06	ug/l	100
79) 2-Chlorotoluene	12.763	91	133842	20.47	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	164898	20.34	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.385	75	15900	20.06	ug/l	98
82) 4-Chlorotoluene	12.861	91	137860	20.31	ug/l	99
83) tert-Butylbenzene	13.080	119	139478	20.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	165419	20.38	ug/l	99
85) sec-Butylbenzene	13.257	105	203364	20.21	ug/l	100
86) p-Isopropyltoluene	13.373	119	175123	20.07	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	85628	19.80	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	87947	20.64	ug/l	99
89) n-Butylbenzene	13.702	91	165725	19.43	ug/l	100
90) Hexachloroethane	13.964	117	24177	19.68	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	77953	20.44	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7374	20.26	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	47422	19.30	ug/l	99
94) Hexachlorobutadiene	15.117	225	24707	18.56	ug/l	99
95) Naphthalene	15.239	128	104790	19.71	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	42519	19.55	ug/l	99

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

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