

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051221\
 Data File : VY004749.D
 Acq On : 12 May 2021 11:36
 Operator : SY/MD
 Sample : VY0512SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:08:20 PM

Quant Time: May 13 00:54:54 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	7.795	168	187971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	303189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	273939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129542	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	113240	50.61	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.22%			
35) Dibromofluoromethane	7.728	113	90598	54.58	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.16%			
50) Toluene-d8	10.185	98	382803	51.05	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.10%			
62) 4-Bromofluorobenzene	12.483	95	124997	49.39	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.78%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	35072	20.38	ug/l	96
3) Chloromethane	2.119	50	51955	18.63	ug/l	97
4) Vinyl Chloride	2.259	62	52338	18.34	ug/l	99
5) Bromomethane	2.655	94	31235	21.46	ug/l	97
6) Chloroethane	2.802	64	34464	20.46	ug/l	95
7) Trichlorofluoromethane	3.131	101	69316	20.46	ug/l	98
8) Diethyl Ether	3.539	74	23126	19.32	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.911	101	39271	20.43	ug/l	98
10) Methyl Iodide	4.100	142	42114	20.49	ug/l	100
11) Tert butyl alcohol	4.978	59	21107	93.87	ug/l	97
12) 1,1-Dichloroethene	3.881	96	37352	20.10	ug/l	97
13) Acrolein	3.741	56	24022	90.87	ug/l	99
14) Allyl chloride	4.490	41	71762	19.76	ug/l	99
15) Acrylonitrile	5.179	53	58978	98.28	ug/l	99
16) Acetone	3.960	43	45083	89.71	ug/l	99
17) Carbon Disulfide	4.204	76	118588	20.90	ug/l	98
18) Methyl Acetate	4.490	43	30968	19.32	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	99386	19.45	ug/l	100
20) Methylene Chloride	4.728	84	55631	18.50	ug/l	98
21) trans-1,2-Dichloroethene	5.234	96	42375	20.07	ug/l	98
22) Diisopropyl ether	6.124	45	139414	19.96	ug/l	92
23) Vinyl Acetate	6.069	43	513856	97.97	ug/l	98
24) 1,1-Dichloroethane	6.033	63	78799	20.05	ug/l	97
25) 2-Butanone	6.996	43	82519	92.42	ug/l	95
26) 2,2-Dichloropropane	6.990	77	70567	20.56	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	46809	19.97	ug/l	98
28) Bromochloromethane	7.338	49	37946	19.77	ug/l	99
29) Tetrahydrofuran	7.356	42	53956	94.73	ug/l	99
30) Chloroform	7.514	83	77106	19.91	ug/l	95
31) Cyclohexane	7.795	56	70971	19.60	ug/l #	95
32) 1,1,1-Trichloroethane	7.709	97	69232	19.95	ug/l	100
36) 1,1-Dichloropropene	7.929	75	62732	20.19	ug/l	99
37) Ethyl Acetate	7.081	43	42473	19.95	ug/l	99
38) Carbon Tetrachloride	7.911	117	55260	19.79	ug/l	100
39) Methylcyclohexane	9.191	83	66317	19.57	ug/l	99
40) Benzene	8.167	78	176146	20.05	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.331	41	24004m	20.63	ug/l	
42) 1,2-Dichloroethane	8.246	62	55640	20.06	ug/l	99
43) Isopropyl Acetate	8.282	43	78665	19.90	ug/l	100
44) Trichloroethene	8.947	130	47522	20.13	ug/l	97
45) 1,2-Dichloropropane	9.221	63	46168	20.09	ug/l	97
46) Dibromomethane	9.313	93	25327	19.82	ug/l	99
47) Bromodichloromethane	9.502	83	60153	19.84	ug/l	97
48) Methyl methacrylate	9.301	41	33616	18.69	ug/l	98
49) 1,4-Dioxane	9.307	88	5165	343.23	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	203198	95.54	ug/l	100
52) Toluene	10.246	92	110148	19.86	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	67582	20.12	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	74942	20.06	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	34540	19.64	ug/l	89
56) Ethyl methacrylate	10.514	69	49083	19.30	ug/l	98
57) 1,3-Dichloropropane	10.794	76	61631	19.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	129705	98.80	ug/l	99
59) 2-Hexanone	10.837	43	138322	95.98	ug/l	99
60) Dibromochloromethane	10.989	129	40541	19.39	ug/l	98
61) 1,2-Dibromoethane	11.093	107	33143	19.54	ug/l	96
64) Tetrachloroethene	10.721	164	49350	19.94	ug/l	96
65) Chlorobenzene	11.520	112	113752	20.18	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	40794	19.90	ug/l	99
67) Ethyl Benzene	11.599	91	208424	19.90	ug/l	98
68) m/p-Xylenes	11.709	106	158021	40.15	ug/l	99
69) o-Xylene	12.032	106	73776	20.06	ug/l	99
70) Styrene	12.050	104	123120	19.97	ug/l	100
71) Bromoform	12.215	173	24425	19.67	ug/l #	96
73) Isopropylbenzene	12.337	105	200552	20.52	ug/l	99
74) N-amyl acetate	12.148	43	68331	19.78	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	39343	20.17	ug/l	100
76) 1,2,3-Trichloropropane	12.641	75	30875m	22.44	ug/l	
77) Bromobenzene	12.611	156	45765	20.74	ug/l	96
78) n-propylbenzene	12.678	91	246529	20.67	ug/l	100
79) 2-Chlorotoluene	12.763	91	134477	20.55	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	168139	20.72	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.385	75	15979	20.14	ug/l #	94
82) 4-Chlorotoluene	12.861	91	140418	20.66	ug/l	99
83) tert-Butylbenzene	13.080	119	144353	20.83	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	167529	20.62	ug/l	100
85) sec-Butylbenzene	13.257	105	208936	20.74	ug/l	100
86) p-Isopropyltoluene	13.373	119	180567	20.68	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	87801	20.29	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	87093	20.42	ug/l	99
89) n-Butylbenzene	13.702	91	174590	20.45	ug/l	100
90) Hexachloroethane	13.964	117	25184	20.48	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	79102	20.72	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6729	18.47	ug/l	100
93) 1,2,4-Trichlorobenzene	15.013	180	47799	19.44	ug/l	98
94) Hexachlorobutadiene	15.117	225	26315	19.75	ug/l	96
95) Naphthalene	15.239	128	101583	19.09	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	42736	19.63	ug/l	98

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

