

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051021\
 Data File : VY004722.D
 Acq On : 10 May 2021 11:32
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 10:35:49 AM

Quant Time: May 11 03:51:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 03:49:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	181639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	292842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	267561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127993	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	21247	9.83	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.66%#		
35) Dibromofluoromethane	7.728	113	16665	10.40	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.80%#		
50) Toluene-d8	10.179	98	69409	9.58	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	19.16%#		
62) 4-Bromofluorobenzene	12.483	95	23801	9.74	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.48%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	18234	10.96	ug/l	93
3) Chloromethane	2.113	50	29758	11.04	ug/l	99
4) Vinyl Chloride	2.253	62	34266	12.42	ug/l	99
5) Bromomethane	2.650	94	15399	10.95	ug/l	100
6) Chloroethane	2.796	64	17161	10.54	ug/l	95
7) Trichlorofluoromethane	3.131	101	34707	10.60	ug/l	95
8) Diethyl Ether	3.534	74	12680	10.96	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.906	101	19590	10.55	ug/l	99
10) Methyl Iodide	4.095	142	19917	10.03	ug/l	99
11) Tert butyl alcohol	4.972	59	11957	55.03	ug/l #	80
12) 1,1-Dichloroethene	3.875	96	18529	10.32	ug/l	95
13) Acrolein	3.741	56	13859	54.26	ug/l	97
14) Allyl chloride	4.485	41	35709	10.18	ug/l	97
15) Acrylonitrile	5.174	53	30051	51.82	ug/l	99
16) Acetone	3.954	43	24788	51.04	ug/l	93
17) Carbon Disulfide	4.198	76	59567	10.86	ug/l	100
18) Methyl Acetate	4.485	43	16346	10.56	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	50379	10.20	ug/l	98
20) Methylene Chloride	4.722	84	44927	14.43	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	20985	10.29	ug/l	96
22) Diisopropyl ether	6.131	45	67624	10.02	ug/l	99
23) Vinyl Acetate	6.070	43	255831	50.48	ug/l	99
24) 1,1-Dichloroethane	6.027	63	38771	10.21	ug/l	99
25) 2-Butanone	6.996	43	43778	50.74	ug/l	97
26) 2,2-Dichloropropane	6.984	77	33699	10.16	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	22925	10.12	ug/l	99
28) Bromochloromethane	7.344	49	18988	10.24	ug/l	99
29) Tetrahydrofuran	7.356	42	28148	51.14	ug/l	99
30) Chloroform	7.515	83	38761	10.36	ug/l	98
31) Cyclohexane	7.789	56	36418	10.41	ug/l #	86
32) 1,1,1-Trichloroethane	7.710	97	34507	10.29	ug/l	99
36) 1,1-Dichloropropene	7.923	75	30292	10.09	ug/l	100
37) Ethyl Acetate	7.082	43	21181	10.30	ug/l	98
38) Carbon Tetrachloride	7.905	117	26591	9.86	ug/l	95
39) Methylcyclohexane	9.185	83	32379	9.89	ug/l	98
40) Benzene	8.167	78	86920	10.25	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	11444	9.93	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	27226	10.16	ug/l	100
43) Isopropyl Acetate	8.277	43	39067	10.23	ug/l	99
44) Trichloroethene	8.941	130	22949	10.06	ug/l	97
45) 1,2-Dichloropropane	9.222	63	22692	10.22	ug/l	98
46) Dibromomethane	9.307	93	12873	10.43	ug/l	99
47) Bromodichloromethane	9.502	83	29767	10.17	ug/l	95
48) Methyl methacrylate	9.295	41	17376	10.00	ug/l	99
49) 1,4-Dioxane	9.307	88	2853	196.29	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	104447	50.85	ug/l	99
52) Toluene	10.246	92	54542	10.18	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	32194	9.93	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	36414	10.09	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	17558	10.34	ug/l	97
56) Ethyl methacrylate	10.514	69	23115	9.41	ug/l	98
57) 1,3-Dichloropropane	10.788	76	30365	10.05	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	62755	49.49	ug/l	100
59) 2-Hexanone	10.831	43	68788	49.42	ug/l	100
60) Dibromochloromethane	10.984	129	20442	10.12	ug/l	95
61) 1,2-Dibromoethane	11.087	107	16492	10.07	ug/l	97
64) Tetrachloroethene	10.721	164	25179	10.42	ug/l	94
65) Chlorobenzene	11.520	112	55936	10.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	20460	10.22	ug/l	97
67) Ethyl Benzene	11.593	91	101506	9.92	ug/l	98
68) m/p-Xylenes	11.703	106	76106	19.80	ug/l	99
69) o-Xylene	12.032	106	34817	9.69	ug/l	99
70) Styrene	12.044	104	58403	9.70	ug/l	100
71) Bromoform	12.209	173	12203	10.06	ug/l #	99
73) Isopropylbenzene	12.331	105	95498	9.89	ug/l	99
74) N-amyl acetate	12.148	43	34002	9.96	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	20339	10.56	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	14199m	10.96	ug/l	
77) Bromobenzene	12.611	156	22357	10.25	ug/l	97
78) n-propylbenzene	12.672	91	116352	9.87	ug/l	99
79) 2-Chlorotoluene	12.758	91	65053	10.06	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	79089	9.86	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	7911	10.09	ug/l	99
82) 4-Chlorotoluene	12.855	91	66731	9.94	ug/l	97
83) tert-Butylbenzene	13.075	119	66345	9.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	79349	9.89	ug/l	100
85) sec-Butylbenzene	13.251	105	98521	9.90	ug/l	98
86) p-Isopropyltoluene	13.367	119	85682	9.93	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	43108	10.08	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	44180	10.48	ug/l	98
89) n-Butylbenzene	13.696	91	83684	9.92	ug/l	98
90) Hexachloroethane	13.959	117	11964	9.85	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	38383	10.17	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3746	10.40	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	23981	9.87	ug/l	98
94) Hexachlorobutadiene	15.111	225	13124	9.97	ug/l	96
95) Naphthalene	15.239	128	51087	9.71	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	20912	9.72	ug/l	100

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

