

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030321\
 Data File : VY004053.D
 Acq On : 03 Mar 2021 12:00
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/4/2021 2:04:51 PM

Quant Time: Mar 03 12:57:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 03 12:55:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	172869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	294343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	233866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122751	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	15450	8.32	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	16.64%#
35) Dibromofluoromethane	7.722	113	16477	9.32	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	18.64%#
50) Toluene-d8	10.179	98	62432	8.71	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	17.42%#
62) 4-Bromofluorobenzene	12.477	95	24259	9.83	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	19.66%#

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.906	85	16711	10.49	ug/l 94
3) Chloromethane	2.113	50	18659	8.05	ug/l 99
4) Vinyl Chloride	2.253	62	21299	9.30	ug/l 99
5) Bromomethane	2.656	94	13842	8.93	ug/l 97
6) Chloroethane	2.802	64	13103	9.48	ug/l 92
7) Trichlorofluoromethane	3.131	101	30058	10.16	ug/l 97
8) Diethyl Ether	3.528	74	8992	9.62	ug/l 82
9) 1,1,2-Trichlorotrifluo...	3.906	101	16948	10.76	ug/l 97
10) Methyl Iodide	4.101	142	18869	9.64	ug/l 96
11) Tert butyl alcohol	4.966	59	6058	22.07	ug/l 99
12) 1,1-Dichloroethene	3.875	96	16321	10.39	ug/l 96
13) Acrolein	3.741	56	6425	35.04	ug/l 98
14) Allyl chloride	4.491	41	22422	7.82	ug/l # 92
15) Acrylonitrile	5.174	53	20058	41.13	ug/l 98
16) Acetone	3.954	43	16612	35.73	ug/l # 89
17) Carbon Disulfide	4.198	76	49751	9.80	ug/l # 94
18) Methyl Acetate	4.485	43	8204	7.44	ug/l # 88
19) Methyl tert-butyl Ether	5.235	73	40828	8.88	ug/l 99
20) Methylene Chloride	4.729	84	23531	12.03	ug/l # 87
21) trans-1,2-Dichloroethene	5.235	96	18445	10.37	ug/l 84
22) Diisopropyl ether	6.125	45	53626	9.34	ug/l # 96
23) Vinyl Acetate	6.064	43	166973	43.14	ug/l # 92
24) 1,1-Dichloroethane	6.027	63	32869	10.59	ug/l 99
25) 2-Butanone	6.996	43	24062	35.43	ug/l 92
26) 2,2-Dichloropropane	6.984	77	27682	9.44	ug/l 98
27) cis-1,2-Dichloroethene	6.990	96	20277	10.08	ug/l 88
28) Bromochloromethane	7.338	49	11874	8.61	ug/l # 82
29) Tetrahydrofuran	7.350	42	15060	34.86	ug/l # 82
30) Chloroform	7.509	83	31796	10.00	ug/l 96
31) Cyclohexane	7.789	56	30207	9.63	ug/l # 84
32) 1,1,1-Trichloroethane	7.704	97	29328	10.02	ug/l 96
36) 1,1-Dichloropropene	7.917	75	24437	8.45	ug/l 95
37) Ethyl Acetate	7.076	43	10951	6.44	ug/l 96
38) Carbon Tetrachloride	7.899	117	27061	8.98	ug/l 97
39) Methylcyclohexane	9.185	83	36565	10.39	ug/l 89
40) Benzene	8.161	78	71651	8.86	ug/l 96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	7953m	9.06	ug/l	
42) 1,2-Dichloroethane	8.240	62	20021	7.67	ug/l	92
43) Isopropyl Acetate	8.277	43	23733	7.53	ug/l #	95
44) Trichloroethene	8.941	130	24956	11.01	ug/l	95
45) 1,2-Dichloropropane	9.216	63	19632	9.94	ug/l	96
46) Dibromomethane	9.307	93	9752	8.74	ug/l	97
47) Bromodichloromethane	9.496	83	24347	8.60	ug/l	97
48) Methyl methacrylate	9.295	41	9876	6.40	ug/l	92
49) 1,4-Dioxane	9.301	88	2445	180.72	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	52535	32.13	ug/l	93
52) Toluene	10.240	92	46492	8.95	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	24741	8.01	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	27808	8.18	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	14134	8.71	ug/l	97
56) Ethyl methacrylate	10.508	69	16041	7.08	ug/l	93
57) 1,3-Dichloropropane	10.788	76	23209	8.18	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	39694	39.01	ug/l	91
59) 2-Hexanone	10.831	43	36584	31.46	ug/l	94
60) Dibromochloromethane	10.984	129	18144	8.85	ug/l	100
61) 1,2-Dibromoethane	11.087	107	13907	8.78	ug/l	97
64) Tetrachloroethene	10.715	164	24517	11.26	ug/l	95
65) Chlorobenzene	11.514	112	51818	11.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	19848	11.13	ug/l	97
67) Ethyl Benzene	11.593	91	88441	10.18	ug/l	98
68) m/p-Xylenes	11.703	106	71285	22.05	ug/l	87
69) o-Xylene	12.026	106	36207	11.94	ug/l	96
70) Styrene	12.044	104	61946	11.91	ug/l	96
71) Bromoform	12.203	173	13170	11.55	ug/l #	99
73) Isopropylbenzene	12.325	105	100132	11.53	ug/l	97
74) N-amyl acetate	12.142	43	21489	8.47	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	16578	10.52	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	14914m	12.22	ug/l	
77) Bromobenzene	12.605	156	25240	11.78	ug/l	90
78) n-propylbenzene	12.666	91	118856	11.48	ug/l	96
79) 2-Chlorotoluene	12.751	91	66168	11.32	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	82408	11.19	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	6576	10.12	ug/l	86
82) 4-Chlorotoluene	12.855	91	68646	11.18	ug/l	93
83) tert-Butylbenzene	13.075	119	73815	11.64	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	83855	11.34	ug/l	96
85) sec-Butylbenzene	13.251	105	89374	10.29	ug/l	97
86) p-Isopropyltoluene	13.367	119	82957	10.23	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	43266	10.59	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	42947	10.60	ug/l	97
89) n-Butylbenzene	13.690	91	77116	10.31	ug/l	98
90) Hexachloroethane	13.959	117	14927	10.26	ug/l	95
91) 1,2-Dichlorobenzene	13.733	146	38337	10.59	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2422	8.22	ug/l	76
93) 1,2,4-Trichlorobenzene	15.001	180	25810	10.00	ug/l	97
94) Hexachlorobutadiene	15.111	225	16572	10.23	ug/l	98
95) Naphthalene	15.233	128	44663	9.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	21837	9.91	ug/l	100

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

