

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022221\
 Data File : VY004029.D
 Acq On : 22 Feb 2021 10:58
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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2/23/2021 1:05:57 PM

Quant Time: Feb 23 03:39:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 23 03:36:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	90999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	135830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	123415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	63479	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	4715	4.63	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.26%#		
35) Dibromofluoromethane	7.716	113	3904	4.79	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.58%#		
50) Toluene-d8	10.179	98	15412	4.71	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.42%#		
62) 4-Bromofluorobenzene	12.477	95	5711	4.96	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.92%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	4319	4.86	ug/l	94
3) Chloromethane	2.113	50	6724	5.13	ug/l	99
4) Vinyl Chloride	2.253	62	6112	4.76	ug/l	100
5) Bromomethane	2.650	94	4476	5.34	ug/l	96
6) Chloroethane	2.796	64	3623	4.78	ug/l	94
7) Trichlorofluoromethane	3.131	101	8027	5.11	ug/l	98
8) Diethyl Ether	3.534	74	2648	5.43	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.906	101	4245	5.09	ug/l	94
10) Methyl Iodide	4.095	142	4364	4.13	ug/l	99
11) Tert butyl alcohol	4.936	59	6264	38.71	ug/l #	79
12) 1,1-Dichloroethene	3.875	96	4180	5.04	ug/l	93
13) Acrolein	3.735	56	2500	24.84	ug/l	97
14) Allyl chloride	4.485	41	7638	4.76	ug/l	94
15) Acrylonitrile	5.174	53	6363	24.04	ug/l	98
16) Acetone	3.960	43	7207	28.55	ug/l	94
17) Carbon Disulfide	4.198	76	13246	4.86	ug/l	99
18) Methyl Acetate	4.479	43	2938	4.87	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	11811	4.78	ug/l	96
20) Methylene Chloride	4.716	84	5903	5.57	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	4665	4.95	ug/l	98
22) Diisopropyl ether	6.119	45	15385	4.95	ug/l #	96
23) Vinyl Acetate	6.064	43	51941	24.74	ug/l	98
24) 1,1-Dichloroethane	6.021	63	8172	4.90	ug/l	99
25) 2-Butanone	6.990	43	9503	26.35	ug/l	94
26) 2,2-Dichloropropane	6.984	77	7394	4.73	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	5029	4.85	ug/l	100
28) Bromochloromethane	7.332	49	3561	4.86	ug/l #	99
29) Tetrahydrofuran	7.350	42	6269	26.94	ug/l	97
30) Chloroform	7.515	83	8263	4.87	ug/l	91
31) Cyclohexane	7.783	56	9714	5.72	ug/l #	89
32) 1,1,1-Trichloroethane	7.704	97	7476	4.80	ug/l	97
36) 1,1-Dichloropropene	7.917	75	7101	5.28	ug/l	95
37) Ethyl Acetate	7.076	43	4169	5.19	ug/l	99
38) Carbon Tetrachloride	7.899	117	6725	4.78	ug/l	100
39) Methylcyclohexane	9.185	83	7859	4.76	ug/l	96
40) Benzene	8.161	78	18360	4.85	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	2185m	5.28	ug/l	
42) 1,2-Dichloroethane	8.240	62	5949	4.80	ug/l	100
43) Isopropyl Acetate	8.277	43	7413	4.91	ug/l	98
44) Trichloroethene	8.941	130	5172	4.97	ug/l	97
45) 1,2-Dichloropropane	9.216	63	4497	4.85	ug/l	91
46) Dibromomethane	9.307	93	2472	4.77	ug/l	98
47) Bromodichloromethane	9.496	83	6174	4.64	ug/l	94
48) Methyl methacrylate	9.295	41	3737	5.09	ug/l	95
49) 1,4-Dioxane	9.295	88	569	91.92	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	19536	25.09	ug/l	99
52) Toluene	10.240	92	11447	4.84	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	6722	4.74	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	7728	4.84	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	3755	5.18	ug/l	95
56) Ethyl methacrylate	10.508	69	4975	4.78	ug/l	99
57) 1,3-Dichloropropane	10.788	76	6430	4.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	13193	27.93	ug/l	100
59) 2-Hexanone	10.831	43	13785	25.34	ug/l	99
60) Dibromochloromethane	10.984	129	4417	4.80	ug/l	99
61) 1,2-Dibromoethane	11.087	107	3580	4.99	ug/l	99
64) Tetrachloroethene	10.715	164	5700	5.00	ug/l	98
65) Chlorobenzene	11.514	112	12120	4.88	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	4504	4.75	ug/l	99
67) Ethyl Benzene	11.593	91	22492	4.84	ug/l	100
68) m/p-Xylenes	11.703	106	16470	9.57	ug/l	100
69) o-Xylene	12.032	106	7754	4.81	ug/l	97
70) Styrene	12.044	104	13106	4.74	ug/l	99
71) Bromoform	12.209	173	2976	4.90	ug/l #	97
73) Isopropylbenzene	12.331	105	21186	4.68	ug/l	99
74) N-amyl acetate	12.142	43	6231	4.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	4181	5.15	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	3271m	5.20	ug/l	
77) Bromobenzene	12.605	156	5149	4.60	ug/l	91
78) n-propylbenzene	12.666	91	25563	4.73	ug/l	100
79) 2-Chlorotoluene	12.752	91	14593	4.78	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	18001	4.68	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	1693	5.00	ug/l	99
82) 4-Chlorotoluene	12.849	91	15469	4.82	ug/l	100
83) tert-Butylbenzene	13.075	119	15777	4.78	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	18664	4.86	ug/l	96
85) sec-Butylbenzene	13.251	105	21293	4.70	ug/l	99
86) p-Isopropyltoluene	13.367	119	19872	4.74	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	10182	4.81	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	10447	4.99	ug/l	92
89) n-Butylbenzene	13.690	91	18432	4.71	ug/l	97
90) Hexachloroethane	13.959	117	3449	4.56	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	9214	4.94	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	779	5.00	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	6839	5.14	ug/l	99
94) Hexachlorobutadiene	15.111	225	4400	5.18	ug/l	99
95) Naphthalene	15.233	128	12787	5.32	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	5805	5.10	ug/l	97

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

