

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004378.D
 Acq On : 12 Apr 2021 12:02
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/13/2021 4:09:33 PM

Quant Time: Apr 13 02:50:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 02:48:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	208835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	332164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	295912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136020	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	43489	18.64	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.28%#		
35) Dibromofluoromethane	7.728	113	35896	18.68	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	37.36%#		
50) Toluene-d8	10.185	98	143773	18.52	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	37.04%#		
62) 4-Bromofluorobenzene	12.483	95	48353	18.51	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	37.02%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36348	18.19	ug/l	98
3) Chloromethane	2.119	50	52420	17.60	ug/l	99
4) Vinyl Chloride	2.259	62	58114	18.08	ug/l	100
5) Bromomethane	2.643	94	28353	18.61	ug/l	100
6) Chloroethane	2.796	64	35002	19.07	ug/l	96
7) Trichlorofluoromethane	3.131	101	72352	18.82	ug/l	96
8) Diethyl Ether	3.540	74	23556	18.60	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.911	101	40348	19.14	ug/l	100
10) Methyl Iodide	4.100	142	46863	18.68	ug/l	98
11) Tert butyl alcohol	4.978	59	20891	84.71	ug/l	99
12) 1,1-Dichloroethene	3.881	96	39903	19.10	ug/l	98
13) Acrolein	3.741	56	24122	90.08	ug/l	98
14) Allyl chloride	4.497	41	74945	18.97	ug/l	99
15) Acrylonitrile	5.186	53	62581	92.05	ug/l	99
16) Acetone	3.960	43	51561	85.15	ug/l	97
17) Carbon Disulfide	4.204	76	123696	18.89	ug/l	100
18) Methyl Acetate	4.491	43	29480	17.71	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	115878	18.81	ug/l	99
20) Methylene Chloride	4.735	84	43559	18.75	ug/l	96
21) trans-1,2-Dichloroethene	5.234	96	44308	18.85	ug/l	98
22) Diisopropyl ether	6.131	45	155678	18.96	ug/l	96
23) Vinyl Acetate	6.076	43	528434	94.03	ug/l	100
24) 1,1-Dichloroethane	6.033	63	81253	19.10	ug/l	100
25) 2-Butanone	7.002	43	82650	91.04	ug/l	99
26) 2,2-Dichloropropane	6.990	77	73776	19.04	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	50229	19.23	ug/l	98
28) Bromochloromethane	7.344	49	34196	18.52	ug/l	97
29) Tetrahydrofuran	7.362	42	58212	90.90	ug/l	99
30) Chloroform	7.521	83	80721	19.10	ug/l	99
31) Cyclohexane	7.795	56	80564	17.96	ug/l	93
32) 1,1,1-Trichloroethane	7.716	97	74445	19.41	ug/l	99
36) 1,1-Dichloropropene	7.929	75	66266	19.42	ug/l	100
37) Ethyl Acetate	7.088	43	39605	18.01	ug/l	100
38) Carbon Tetrachloride	7.905	117	56518	20.14	ug/l	97
39) Methylcyclohexane	9.191	83	80656	19.26	ug/l	98
40) Benzene	8.173	78	183620	19.18	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	23377m	15.94	ug/l	
42) 1,2-Dichloroethane	8.246	62	57302	19.04	ug/l	99
43) Isopropyl Acetate	8.283	43	75159	18.31	ug/l	99
44) Trichloroethene	8.947	130	50154	19.07	ug/l	99
45) 1,2-Dichloropropane	9.222	63	47032	19.28	ug/l	99
46) Dibromomethane	9.313	93	25208	18.84	ug/l	99
47) Bromodichloromethane	9.502	83	62092	19.21	ug/l	99
48) Methyl methacrylate	9.295	41	35064	18.57	ug/l	99
49) 1,4-Dioxane	9.307	88	6623	396.64	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	195090	92.25	ug/l	99
52) Toluene	10.246	92	115757	18.83	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	67932	19.19	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	76485	19.10	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	35522	19.30	ug/l	98
56) Ethyl methacrylate	10.514	69	49018	18.97	ug/l	99
57) 1,3-Dichloropropane	10.794	76	62833	19.27	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	125885	97.98	ug/l	99
59) 2-Hexanone	10.837	43	129921	92.60	ug/l	100
60) Dibromochloromethane	10.989	129	40960	19.08	ug/l	99
61) 1,2-Dibromoethane	11.093	107	33050	18.54	ug/l	99
64) Tetrachloroethene	10.721	164	51450	19.24	ug/l	98
65) Chlorobenzene	11.520	112	119110	19.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	41460	18.83	ug/l	99
67) Ethyl Benzene	11.599	91	219553	19.14	ug/l	100
68) m/p-Xylenes	11.703	106	163670	38.35	ug/l	99
69) o-Xylene	12.032	106	76866	19.39	ug/l	99
70) Styrene	12.050	104	125648	19.35	ug/l	99
71) Bromoform	12.215	173	23945	18.68	ug/l #	98
73) Isopropylbenzene	12.331	105	207485	19.27	ug/l	99
74) N-amyl acetate	12.148	43	67066	18.50	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	37874	18.42	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	29170m	17.98	ug/l	
77) Bromobenzene	12.611	156	47458	19.35	ug/l	96
78) n-propylbenzene	12.672	91	246778	19.27	ug/l	99
79) 2-Chlorotoluene	12.757	91	135031	19.19	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	171866	19.44	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	15617	18.85	ug/l	99
82) 4-Chlorotoluene	12.861	91	141573	19.09	ug/l	100
83) tert-Butylbenzene	13.081	119	145934	19.33	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	172950	19.42	ug/l	99
85) sec-Butylbenzene	13.257	105	205059	19.48	ug/l	99
86) p-Isopropyltoluene	13.373	119	185664	19.47	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	88516	19.40	ug/l	97
88) 1,4-Dichlorobenzene	13.452	146	87528	19.15	ug/l	99
89) n-Butylbenzene	13.702	91	178259	19.65	ug/l	100
90) Hexachloroethane	13.965	117	23549	19.36	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	77027	19.10	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6703	17.44	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	48810	18.45	ug/l	97
94) Hexachlorobutadiene	15.117	225	27346	19.75	ug/l	99
95) Naphthalene	15.239	128	102528	17.99	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	42738	18.51	ug/l	99

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

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