

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030321\
 Data File : VY004057.D
 Acq On : 03 Mar 2021 13:31
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/4/2021 2:04:59 PM

Quant Time: Mar 03 13:39:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 03 13:06:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	184786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	270125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	273175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	238884	120.27	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 240.54%#			
35) Dibromofluoromethane	7.722	113	273174	168.43	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 336.86%#			
50) Toluene-d8	10.179	98	1035104	157.33	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 314.66%#			
62) 4-Bromofluorobenzene	12.477	95	358280	158.24	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 316.48%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	180611	106.04	ug/l	98
3) Chloromethane	2.113	50	219652	88.61	ug/l	98
4) Vinyl Chloride	2.253	62	255994	104.62	ug/l	99
5) Bromomethane	2.625	94	192835	116.37	ug/l	96
6) Chloroethane	2.784	64	163268	110.50	ug/l	96
7) Trichlorofluoromethane	3.125	101	416814	131.87	ug/l	99
8) Diethyl Ether	3.527	74	127651	127.78	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	228482	135.73	ug/l	98
10) Methyl Iodide	4.094	142	293209	140.09	ug/l	97
11) Tert butyl alcohol	4.966	59	91042	310.22	ug/l	96
12) 1,1-Dichloroethene	3.875	96	226224	134.69	ug/l	87
13) Acrolein	3.729	56	105621	538.92	ug/l	99
14) Allyl chloride	4.478	41	333066	108.60	ug/l #	94
15) Acrylonitrile	5.167	53	295607	567.13	ug/l	99
16) Acetone	3.948	43	223727	450.22	ug/l #	88
17) Carbon Disulfide	4.192	76	646524	119.09	ug/l	98
18) Methyl Acetate	4.478	43	129199	109.68	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	611404	124.46	ug/l	99
20) Methylene Chloride	4.716	84	269472	128.87	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	265107	139.44	ug/l	89
22) Diisopropyl ether	6.118	45	739865	120.53	ug/l	96
23) Vinyl Acetate	6.064	43	2348686	567.71	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	426812	128.64	ug/l	97
25) 2-Butanone	6.990	43	397873	548.09	ug/l #	87
26) 2,2-Dichloropropane	6.984	77	420046	134.06	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	325930	151.55	ug/l	88
28) Bromochloromethane	7.338	49	181715	123.27	ug/l #	67
29) Tetrahydrofuran	7.350	42	250052	541.51	ug/l #	84
30) Chloroform	7.508	83	502485	147.81	ug/l	99
31) Cyclohexane	7.783	56	396255	118.22	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	455145	145.53	ug/l	97
36) 1,1-Dichloropropene	7.917	75	353647	133.33	ug/l	96
37) Ethyl Acetate	7.076	43	180118	115.43	ug/l #	93
38) Carbon Tetrachloride	7.899	117	390264	141.17	ug/l	100
39) Methylcyclohexane	9.179	83	456138	141.28	ug/l	91
40) Benzene	8.161	78	1021756	137.63	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	84476m	104.87	ug/l	
42) 1,2-Dichloroethane	8.240	62	283683	118.48	ug/l	95
43) Isopropyl Acetate	8.270	43	326973	113.09	ug/l #	94
44) Trichloroethene	8.941	130	310650	149.29	ug/l	94
45) 1,2-Dichloropropane	9.215	63	245278	135.39	ug/l	98
46) Dibromomethane	9.307	93	143630	140.21	ug/l	97
47) Bromodichloromethane	9.496	83	358974	138.11	ug/l	99
48) Methyl methacrylate	9.289	41	154178	108.81	ug/l	89
49) 1,4-Dioxane	9.301	88	35889	2890.50	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	834399	556.00	ug/l	93
52) Toluene	10.240	92	755462	158.49	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	404172	142.52	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	425685	136.40	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	226627	152.13	ug/l	97
56) Ethyl methacrylate	10.508	69	290057	139.52	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	380721	146.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	533334	571.07	ug/l	92
59) 2-Hexanone	10.831	43	588973	551.81	ug/l	89
60) Dibromochloromethane	10.983	129	302098	160.58	ug/l	100
61) 1,2-Dibromoethane	11.087	107	226502	155.79	ug/l	99
64) Tetrachloroethene	10.715	164	364523	143.33	ug/l	99
65) Chlorobenzene	11.514	112	831712	152.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	308179	147.99	ug/l	99
67) Ethyl Benzene	11.593	91	1415034	139.49	ug/l	95
68) m/p-Xylenes	11.703	106	1133716	300.28	ug/l	90
69) o-Xylene	12.026	106	539106	152.18	ug/l	90
70) Styrene	12.044	104	918693	151.16	ug/l	95
71) Bromoform	12.203	173	191258	143.60	ug/l #	99
73) Isopropylbenzene	12.325	105	1444491	166.86	ug/l	98
74) N-amyl acetate	12.142	43	297236	117.51	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	238103	151.60	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	162891m	133.98	ug/l	
77) Bromobenzene	12.605	156	332766	155.86	ug/l	90
78) n-propylbenzene	12.666	91	1509191	146.33	ug/l	96
79) 2-Chlorotoluene	12.751	91	832354	142.90	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	1062235	144.68	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	93727	144.75	ug/l	89
82) 4-Chlorotoluene	12.849	91	872380	142.51	ug/l	95
83) tert-Butylbenzene	13.074	119	944224	149.35	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	1062703	144.21	ug/l	95
85) sec-Butylbenzene	13.251	105	1282954	148.19	ug/l	98
86) p-Isopropyltoluene	13.367	119	1210657	149.85	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	612990	150.50	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	594812	147.33	ug/l	99
89) n-Butylbenzene	13.696	91	1090678	146.26	ug/l	98
90) Hexachloroethane	13.958	117	224146	154.65	ug/l	94
91) 1,2-Dichlorobenzene	13.733	146	536546	148.68	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	36028	122.63	ug/l	80
93) 1,2,4-Trichlorobenzene	15.001	180	373261	145.06	ug/l	100
94) Hexachlorobutadiene	15.111	225	213396	132.20	ug/l	99
95) Naphthalene	15.233	128	697091	147.94	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	320711	146.05	ug/l	99

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

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