

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011221\
 Data File : VY003893.D
 Acq On : 12 Jan 2021 10:00
 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
 1/13/2021 4:36:57 PM

Quant Time: Jan 12 11:02:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 12 11:00:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	120695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	177880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	169004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	91561	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	19793	12.60	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 25.20%#			
35) Dibromofluoromethane	7.722	113	14765	10.34	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 20.68%#			
50) Toluene-d8	10.179	98	60891	10.90	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 21.80%#			
62) 4-Bromofluorobenzene	12.477	95	21506	10.63	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 21.26%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	18205	13.10	ug/l	98
3) Chloromethane	2.119	50	22748	13.26	ug/l	98
4) Vinyl Chloride	2.253	62	23504	12.76	ug/l	96
5) Bromomethane	2.656	94	17157	12.28	ug/l	99
6) Chloroethane	2.802	64	14322	12.52	ug/l	94
7) Trichlorofluoromethane	3.131	101	31080	12.17	ug/l	91
8) Diethyl Ether	3.534	74	9770	12.19	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.906	101	15924	11.55	ug/l	96
10) Methyl Iodide	4.095	142	16730	10.00	ug/l	94
11) Tert butyl alcohol	4.954	59	10301	66.18	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	15497	11.65	ug/l	94
13) Acrolein	3.735	56	9790	61.51	ug/l	98
14) Allyl chloride	4.479	41	33029	13.48	ug/l	95
15) Acrylonitrile	5.168	53	26235	62.55	ug/l	96
16) Acetone	3.954	43	24048	66.82	ug/l	98
17) Carbon Disulfide	4.198	76	52414	12.18	ug/l	98
18) Methyl Acetate	4.491	43	12457	12.84	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	45908	11.78	ug/l	96
20) Methylene Chloride	4.723	84	19374	11.87	ug/l #	83
21) trans-1,2-Dichloroethene	5.235	96	17309	11.37	ug/l	91
22) Diisopropyl ether	6.125	45	63306	12.95	ug/l #	92
23) Vinyl Acetate	6.070	43	216674	65.89	ug/l	96
24) 1,1-Dichloroethane	6.021	63	32547	12.45	ug/l	98
25) 2-Butanone	6.997	43	37106	66.46	ug/l	93
26) 2,2-Dichloropropane	6.990	77	30848	12.53	ug/l	96
27) cis-1,2-Dichloroethene	6.997	96	19064	11.48	ug/l	92
28) Bromochloromethane	7.338	49	14846	13.06	ug/l	82
29) Tetrahydrofuran	7.356	42	25099	65.75	ug/l	93
30) Chloroform	7.515	83	31969	11.79	ug/l	93
31) Cyclohexane	7.789	56	34960	13.29	ug/l #	93
32) 1,1,1-Trichloroethane	7.704	97	30187	11.99	ug/l	95
36) 1,1-Dichloropropene	7.923	75	24750	10.93	ug/l	99
37) Ethyl Acetate	7.082	43	17231	12.79	ug/l	98
38) Carbon Tetrachloride	7.905	117	27928	11.32	ug/l	99
39) Methylcyclohexane	9.179	83	29938	10.76	ug/l	91
40) Benzene	8.161	78	70803	11.36	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	11119m	14.74	ug/l	
42) 1,2-Dichloroethane	8.240	62	24320	11.85	ug/l	98
43) Isopropyl Acetate	8.271	43	31992	12.68	ug/l	96
44) Trichloroethene	8.935	130	19278	10.50	ug/l	99
45) 1,2-Dichloropropane	9.216	63	18497	11.82	ug/l	95
46) Dibromomethane	9.301	93	10144	11.17	ug/l	91
47) Bromodichloromethane	9.496	83	25057	11.17	ug/l	96
48) Methyl methacrylate	9.295	41	15236	12.64	ug/l	91
49) 1,4-Dioxane	9.295	88	2494	214.30	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	84358	63.35	ug/l	94
52) Toluene	10.246	92	45751	11.37	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	26915	11.24	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	29779	11.07	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	13483	10.52	ug/l	88
56) Ethyl methacrylate	10.508	69	19502	11.09	ug/l	87
57) 1,3-Dichloropropane	10.789	76	24829	11.20	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	51920	59.94	ug/l	96
59) 2-Hexanone	10.831	43	58310	63.39	ug/l	92
60) Dibromochloromethane	10.984	129	17250	10.37	ug/l	100
61) 1,2-Dibromoethane	11.087	107	13168	10.42	ug/l	98
64) Tetrachloroethene	10.715	164	21729	10.31	ug/l	96
65) Chlorobenzene	11.514	112	47069	10.60	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	17530	10.18	ug/l	98
67) Ethyl Benzene	11.587	91	87247	10.94	ug/l	98
68) m/p-Xylenes	11.697	106	63719	20.91	ug/l	94
69) o-Xylene	12.026	106	29817	10.47	ug/l	99
70) Styrene	12.038	104	50466	10.41	ug/l	97
71) Bromoform	12.203	173	10976	9.44	ug/l #	96
73) Isopropylbenzene	12.325	105	82688	10.77	ug/l	99
74) N-amyl acetate	12.142	43	29631	12.98	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	16076	11.46	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	12161m	10.97	ug/l	
77) Bromobenzene	12.605	156	20342	10.29	ug/l	88
78) n-propylbenzene	12.666	91	99233	10.98	ug/l	98
79) 2-Chlorotoluene	12.752	91	56733	11.03	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	73575	11.19	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	6593	11.50	ug/l #	90
82) 4-Chlorotoluene	12.849	91	60269	11.13	ug/l	98
83) tert-Butylbenzene	13.069	119	61672	10.89	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	72644	11.06	ug/l	98
85) sec-Butylbenzene	13.252	105	83847	10.93	ug/l	99
86) p-Isopropyltoluene	13.367	119	78611	10.69	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	39014	10.32	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	39920	10.77	ug/l	96
89) n-Butylbenzene	13.690	91	74910	11.17	ug/l	99
90) Hexachloroethane	13.953	117	14723	10.92	ug/l	92
91) 1,2-Dichlorobenzene	13.733	146	34905	10.46	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3328	11.63	ug/l	88
93) 1,2,4-Trichlorobenzene	15.001	180	25143	10.25	ug/l	97
94) Hexachlorobutadiene	15.105	225	17706	10.73	ug/l	99
95) Naphthalene	15.233	128	44838	10.33	ug/l	98
96) 1,2,3-Trichlorobenzene	15.416	180	22042	10.32	ug/l	98

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

