

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041621\
 Data File : VY004460.D
 Acq On : 16 Apr 2021 11:21
 Operator : SY/MD
 Sample : VY0416SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2021 3:02:49 PM

Quant Time: Apr 17 00:51:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	176727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	286829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	256835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119119	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	107612	54.80	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.60%			
35) Dibromofluoromethane	7.728	113	87117	54.73	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.46%			
50) Toluene-d8	10.185	98	368502	54.43	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.86%			
62) 4-Bromofluorobenzene	12.483	95	123213	53.63	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.26%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	33865	20.68	ug/l	100
3) Chloromethane	2.119	50	48131	20.33	ug/l	96
4) Vinyl Chloride	2.259	62	54296	21.71	ug/l	99
5) Bromomethane	2.650	94	26653	21.85	ug/l	97
6) Chloroethane	2.802	64	31886	21.27	ug/l	100
7) Trichlorofluoromethane	3.131	101	65236	20.86	ug/l	99
8) Diethyl Ether	3.534	74	23105	21.86	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.912	101	37317	21.51	ug/l	100
10) Methyl Iodide	4.094	142	40600	19.56	ug/l	100
11) Tert butyl alcohol	4.966	59	23383	120.83	ug/l	100
12) 1,1-Dichloroethene	3.881	96	36543	21.30	ug/l	99
13) Acrolein	3.741	56	23013	106.98	ug/l	97
14) Allyl chloride	4.491	41	72231	22.02	ug/l	98
15) Acrylonitrile	5.174	53	65718	115.89	ug/l	99
16) Acetone	3.960	43	49706	108.37	ug/l	94
17) Carbon Disulfide	4.204	76	114346	21.65	ug/l	99
18) Methyl Acetate	4.491	43	30709	22.45	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	113153	21.95	ug/l	98
20) Methylene Chloride	4.729	84	43655	23.02	ug/l	99
21) trans-1,2-Dichloroethene	5.235	96	41195	21.22	ug/l	95
22) Diisopropyl ether	6.131	45	152697	22.02	ug/l	99
23) Vinyl Acetate	6.070	43	533417	112.99	ug/l	100
24) 1,1-Dichloroethane	6.027	63	76640	21.63	ug/l	99
25) 2-Butanone	6.996	43	87396	116.85	ug/l	95
26) 2,2-Dichloropropane	6.990	77	68106	21.42	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	46506	21.41	ug/l	98
28) Bromochloromethane	7.344	49	33067	20.54	ug/l	98
29) Tetrahydrofuran	7.356	42	61391	114.88	ug/l	100
30) Chloroform	7.515	83	74503	21.40	ug/l	98
31) Cyclohexane	7.789	56	76764	21.33	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	66364	21.01	ug/l	100
36) 1,1-Dichloropropene	7.923	75	60016	21.06	ug/l	100
37) Ethyl Acetate	7.082	43	43126	23.50	ug/l	98
38) Carbon Tetrachloride	7.911	117	52569	21.34	ug/l	97
39) Methylcyclohexane	9.185	83	74757	21.30	ug/l	99
40) Benzene	8.167	78	172756	21.57	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	25775m	23.17	ug/l	
42) 1,2-Dichloroethane	8.246	62	52883	21.05	ug/l	99
43) Isopropyl Acetate	8.277	43	78674	22.61	ug/l	99
44) Trichloroethene	8.941	130	46694	21.38	ug/l	99
45) 1,2-Dichloropropane	9.222	63	45757	22.13	ug/l	100
46) Dibromomethane	9.313	93	24125	21.44	ug/l	98
47) Bromodichloromethane	9.502	83	58244	21.38	ug/l	99
48) Methyl methacrylate	9.301	41	35494	22.15	ug/l	98
49) 1,4-Dioxane	9.307	88	5883	400.24	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	208824	116.84	ug/l	98
52) Toluene	10.246	92	108649	20.96	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	64850	21.58	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	72859	21.35	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	33618	21.68	ug/l	95
56) Ethyl methacrylate	10.514	69	47916	21.31	ug/l	97
57) 1,3-Dichloropropane	10.794	76	60875	22.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	123180	107.05	ug/l	99
59) 2-Hexanone	10.837	43	139101	116.10	ug/l	99
60) Dibromochloromethane	10.990	129	38903	21.11	ug/l	98
61) 1,2-Dibromoethane	11.093	107	32887	22.00	ug/l	100
64) Tetrachloroethene	10.721	164	47846	21.40	ug/l	98
65) Chlorobenzene	11.520	112	111032	21.18	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	39792	21.27	ug/l	99
67) Ethyl Benzene	11.593	91	207923	21.20	ug/l	97
68) m/p-Xylenes	11.709	106	154965	42.53	ug/l	99
69) o-Xylene	12.032	106	72110	21.12	ug/l	99
70) Styrene	12.050	104	118970	21.03	ug/l	99
71) Bromoform	12.215	173	23531	21.21	ug/l #	99
73) Isopropylbenzene	12.337	105	195911	21.28	ug/l	100
74) N-amyl acetate	12.148	43	68949	22.25	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	39385	22.62	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	29349m	22.96	ug/l	
77) Bromobenzene	12.611	156	43779	21.22	ug/l	100
78) n-propylbenzene	12.672	91	235374	21.65	ug/l	99
79) 2-Chlorotoluene	12.758	91	127768	21.48	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	164045	21.93	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	15708	21.98	ug/l	97
82) 4-Chlorotoluene	12.861	91	134044	21.35	ug/l	100
83) tert-Butylbenzene	13.081	119	136178	21.27	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	162608	21.54	ug/l	100
85) sec-Butylbenzene	13.257	105	191815	21.47	ug/l	99
86) p-Isopropyltoluene	13.373	119	171892	21.15	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	82248	21.34	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	82276	21.21	ug/l	99
89) n-Butylbenzene	13.703	91	165413	21.33	ug/l	98
90) Hexachloroethane	13.965	117	24062	22.07	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	72085	21.07	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	6242	19.97	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	46672	20.64	ug/l	99
94) Hexachlorobutadiene	15.117	225	24071	20.39	ug/l	98
95) Naphthalene	15.239	128	101264	20.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	40503	20.30	ug/l	98

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

