

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041921\
 Data File : VY004489.D
 Acq On : 19 Apr 2021 11:37
 Operator : SY/MD
 Sample : VY0419SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0419SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2021 9:45:33 AM

Quant Time: Apr 20 01:46:02 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	156373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	253601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	228765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107137	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	95801	55.14	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.28%			
35) Dibromofluoromethane	7.728	113	78720	55.93	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.86%			
50) Toluene-d8	10.185	98	332247	55.50	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.00%			
62) 4-Bromofluorobenzene	12.483	95	108808	53.56	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.12%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	29191	20.15	ug/l	97
3) Chloromethane	2.119	50	44950	21.46	ug/l	100
4) Vinyl Chloride	2.259	62	44057m	19.91	ug/l	
5) Bromomethane	2.650	94	23054	21.36	ug/l	93
6) Chloroethane	2.796	64	28140	21.21	ug/l	98
7) Trichlorofluoromethane	3.131	101	56514	20.42	ug/l	99
8) Diethyl Ether	3.540	74	19568	20.92	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	32108	20.92	ug/l	99
10) Methyl Iodide	4.107	142	35282	19.21	ug/l	99
11) Tert butyl alcohol	4.978	59	17795	103.93	ug/l	98
12) 1,1-Dichloroethene	3.881	96	31595	20.82	ug/l	97
13) Acrolein	3.741	56	19264	101.21	ug/l	99
14) Allyl chloride	4.491	41	61062	21.03	ug/l	98
15) Acrylonitrile	5.180	53	54633	108.88	ug/l	99
16) Acetone	3.960	43	42797	104.89	ug/l	100
17) Carbon Disulfide	4.204	76	97586	20.88	ug/l	100
18) Methyl Acetate	4.491	43	25007	20.66	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	95329	20.90	ug/l	99
20) Methylene Chloride	4.729	84	36776	21.92	ug/l	97
21) trans-1,2-Dichloroethene	5.235	96	35772	20.83	ug/l	92
22) Diisopropyl ether	6.131	45	130568	21.28	ug/l	98
23) Vinyl Acetate	6.076	43	445737	106.70	ug/l	99
24) 1,1-Dichloroethane	6.033	63	66138	21.10	ug/l	98
25) 2-Butanone	7.003	43	72439	109.45	ug/l	97
26) 2,2-Dichloropropane	6.996	77	57604	20.48	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	39426	20.52	ug/l	98
28) Bromochloromethane	7.350	49	29542	20.73	ug/l	100
29) Tetrahydrofuran	7.362	42	50593	107.00	ug/l	99
30) Chloroform	7.521	83	64720	21.01	ug/l	96
31) Cyclohexane	7.795	56	65400	20.53	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	56613	20.26	ug/l	98
36) 1,1-Dichloropropene	7.929	75	51305	20.36	ug/l	99
37) Ethyl Acetate	7.088	43	35337	21.78	ug/l	98
38) Carbon Tetrachloride	7.911	117	44754	20.54	ug/l	99
39) Methylcyclohexane	9.185	83	62228	20.06	ug/l	99
40) Benzene	8.167	78	147784	20.87	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	20001m	20.34	ug/l	
42) 1,2-Dichloroethane	8.246	62	45420	20.45	ug/l	99
43) Isopropyl Acetate	8.283	43	65158	21.18	ug/l	99
44) Trichloroethene	8.947	130	40416	20.93	ug/l	98
45) 1,2-Dichloropropane	9.222	63	38729	21.19	ug/l	99
46) Dibromomethane	9.313	93	20697	20.80	ug/l	99
47) Bromodichloromethane	9.502	83	51143	21.23	ug/l	97
48) Methyl methacrylate	9.301	41	29851	21.07	ug/l	97
49) 1,4-Dioxane	9.301	88	5304	408.13	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	168986	106.94	ug/l	99
52) Toluene	10.246	92	91859	20.04	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	55132	20.75	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	61948	20.53	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	28592	20.85	ug/l	96
56) Ethyl methacrylate	10.514	69	40621	20.43	ug/l	99
57) 1,3-Dichloropropane	10.795	76	51410	21.01	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	106687	104.87	ug/l	99
59) 2-Hexanone	10.837	43	113253	106.91	ug/l	100
60) Dibromochloromethane	10.990	129	33448	20.53	ug/l	100
61) 1,2-Dibromoethane	11.093	107	27696	20.95	ug/l	98
64) Tetrachloroethene	10.721	164	41284	20.73	ug/l	98
65) Chlorobenzene	11.520	112	95142	20.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	34026	20.42	ug/l	98
67) Ethyl Benzene	11.599	91	174520	19.98	ug/l	100
68) m/p-Xylenes	11.703	106	131098	40.39	ug/l	98
69) o-Xylene	12.032	106	60617	19.93	ug/l	100
70) Styrene	12.050	104	99177	19.69	ug/l	98
71) Bromoform	12.215	173	19735	19.97	ug/l #	100
73) Isopropylbenzene	12.331	105	164499	19.87	ug/l	99
74) N-amyl acetate	12.148	43	58657	21.05	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	32675	20.86	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	24208m	21.05	ug/l	
77) Bromobenzene	12.611	156	37824	20.38	ug/l	99
78) n-propylbenzene	12.672	91	198057	20.25	ug/l	99
79) 2-Chlorotoluene	12.758	91	107157	20.03	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	137749	20.47	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	13259	20.63	ug/l	96
82) 4-Chlorotoluene	12.855	91	112471	19.91	ug/l	99
83) tert-Butylbenzene	13.081	119	117371	20.38	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	138697	20.43	ug/l	100
85) sec-Butylbenzene	13.257	105	164384	20.46	ug/l	100
86) p-Isopropyltoluene	13.373	119	146372	20.03	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	71510	20.63	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	70181	20.12	ug/l	99
89) n-Butylbenzene	13.696	91	140618	20.16	ug/l	99
90) Hexachloroethane	13.965	117	21025	21.44	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	63219	20.55	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5612	19.97	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	41044	20.18	ug/l	100
94) Hexachlorobutadiene	15.117	225	21838	20.56	ug/l	99
95) Naphthalene	15.239	128	90180	20.39	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	37279	20.77	ug/l	98

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

