

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004430.D
 Acq On : 15 Apr 2021 10:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2021 1:07:54 PM

Quant Time: Apr 16 05:01:47 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	7.795	168	173446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	277838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	250535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118874	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	102006	52.93	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.86%			
35) Dibromofluoromethane	7.722	113	77767	50.44	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.88%			
50) Toluene-d8	10.185	98	348757	53.18	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.36%			
62) 4-Bromofluorobenzene	12.483	95	115505	51.90	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.80%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	89824	55.90	ug/l	100
3) Chloromethane	2.119	50	125120	53.84	ug/l	98
4) Vinyl Chloride	2.253	62	156386	63.72	ug/l	99
5) Bromomethane	2.650	94	65055	54.33	ug/l	98
6) Chloroethane	2.796	64	81787	55.58	ug/l	98
7) Trichlorofluoromethane	3.131	101	163418	53.24	ug/l	99
8) Diethyl Ether	3.534	74	56393	54.36	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.900	101	92048	54.07	ug/l	99
10) Methyl Iodide	4.095	142	103624	50.86	ug/l	100
11) Tert butyl alcohol	4.972	59	54427	286.58	ug/l	100
12) 1,1-Dichloroethene	3.875	96	90291	53.63	ug/l	95
13) Acrolein	3.735	56	64343	304.77	ug/l	97
14) Allyl chloride	4.485	41	170451	52.93	ug/l	99
15) Acrylonitrile	5.174	53	158101	284.07	ug/l	98
16) Acetone	3.954	43	92431	223.98	ug/l	100
17) Carbon Disulfide	4.198	76	272626	52.59	ug/l	98
18) Methyl Acetate	4.485	43	75311	56.11	ug/l	100
19) Methyl tert-butyl Ether	5.229	73	276101	54.58	ug/l	99
20) Methylene Chloride	4.723	84	100529	54.01	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	101722	53.40	ug/l	98
22) Diisopropyl ether	6.125	45	367316	53.97	ug/l	98
23) Vinyl Acetate	6.070	43	1284178	277.16	ug/l	100
24) 1,1-Dichloroethane	6.027	63	186071	53.51	ug/l	100
25) 2-Butanone	6.997	43	187368	255.24	ug/l	98
26) 2,2-Dichloropropane	6.984	77	164798	52.82	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	113589	53.29	ug/l	100
28) Bromochloromethane	7.338	49	84333	53.36	ug/l	99
29) Tetrahydrofuran	7.356	42	151633	289.12	ug/l	99
30) Chloroform	7.515	83	181854	53.22	ug/l	100
31) Cyclohexane	7.789	56	184091	52.11	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	163459	52.73	ug/l	99
36) 1,1-Dichloropropene	7.923	75	147552	53.45	ug/l	99
37) Ethyl Acetate	7.082	43	103112	58.00	ug/l	98
38) Carbon Tetrachloride	7.905	117	134445	56.33	ug/l	100
39) Methylcyclohexane	9.185	83	186705	54.93	ug/l	99
40) Benzene	8.167	78	420597	54.21	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	58861m	54.63	ug/l	
42) 1,2-Dichloroethane	8.240	62	129529	53.22	ug/l	100
43) Isopropyl Acetate	8.277	43	192318	57.06	ug/l	99
44) Trichloroethene	8.941	130	113855	53.82	ug/l	95
45) 1,2-Dichloropropane	9.222	63	109629	54.75	ug/l	99
46) Dibromomethane	9.307	93	59083	54.20	ug/l	99
47) Bromodichloromethane	9.502	83	144012	54.56	ug/l	99
48) Methyl methacrylate	9.295	41	88893	57.27	ug/l	98
49) 1,4-Dioxane	9.307	88	17672	1241.19	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	512624	296.10	ug/l	100
52) Toluene	10.246	92	264612	52.71	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	161775	55.57	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	179294	54.23	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	83106	55.32	ug/l	98
56) Ethyl methacrylate	10.514	69	123451	56.67	ug/l	99
57) 1,3-Dichloropropane	10.795	76	147751	55.12	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	315344	282.93	ug/l	99
59) 2-Hexanone	10.837	43	338943	292.05	ug/l	100
60) Dibromochloromethane	10.990	129	98254	55.04	ug/l	100
61) 1,2-Dibromoethane	11.093	107	81232	56.09	ug/l	99
64) Tetrachloroethene	10.721	164	119000	54.56	ug/l	99
65) Chlorobenzene	11.520	112	274825	53.75	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	98261	53.85	ug/l	99
67) Ethyl Benzene	11.593	91	513774	53.71	ug/l	99
68) m/p-Xylenes	11.703	106	385170	108.36	ug/l	99
69) o-Xylene	12.032	106	179608	53.92	ug/l	99
70) Styrene	12.044	104	302505	54.83	ug/l	99
71) Bromoform	12.209	173	59433	54.91	ug/l #	99
73) Isopropylbenzene	12.331	105	491992	53.56	ug/l	100
74) N-amyl acetate	12.148	43	178227	57.63	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	96836	55.72	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	69497m	54.47	ug/l	
77) Bromobenzene	12.611	156	108508	52.70	ug/l	100
78) n-propylbenzene	12.672	91	583809	53.80	ug/l	100
79) 2-Chlorotoluene	12.758	91	315068	53.09	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	408259	54.68	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	40038	56.14	ug/l #	76
82) 4-Chlorotoluene	12.855	91	331324	52.87	ug/l	100
83) tert-Butylbenzene	13.075	119	348576	54.55	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	406581	53.96	ug/l	99
85) sec-Butylbenzene	13.258	105	487231	54.66	ug/l	100
86) p-Isopropyltoluene	13.373	119	442321	54.55	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	208925	54.33	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	207249	53.54	ug/l	99
89) n-Butylbenzene	13.697	91	427636	55.25	ug/l	100
90) Hexachloroethane	13.965	117	62233	57.20	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	185675	54.39	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16682	53.49	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	123363	54.66	ug/l	100
94) Hexachlorobutadiene	15.111	225	66298	56.26	ug/l	99
95) Naphthalene	15.239	128	270238	55.08	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	109755	55.12	ug/l	99

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

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