

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031821\
 Data File : VY004115.D
 Acq On : 18 Mar 2021 12:11
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2021 3:32:11 PM

Quant Time: Mar 19 01:41:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	204001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	316210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	286423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147220	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	99599	49.47	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.94%		
35) Dibromofluoromethane	7.728	113	93002	52.16	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.32%		
50) Toluene-d8	10.185	98	351394	50.27	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.54%		
62) 4-Bromofluorobenzene	12.483	95	129203	50.04	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.08%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	37920	24.31	ug/l	100
3) Chloromethane	2.119	50	43673	19.88	ug/l	97
4) Vinyl Chloride	2.259	62	50979	20.68	ug/l	99
5) Bromomethane	2.650	94	37488	23.80	ug/l	93
6) Chloroethane	2.802	64	32021	21.33	ug/l	100
7) Trichlorofluoromethane	3.137	101	68319	20.85	ug/l	100
8) Diethyl Ether	3.540	74	22500	21.42	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.905	101	38551	21.03	ug/l	99
10) Methyl Iodide	4.107	142	38486	20.55	ug/l	99
11) Tert butyl alcohol	4.966	59	19751	108.51	ug/l	97
12) 1,1-Dichloroethene	3.887	96	36139	20.15	ug/l	94
13) Acrolein	3.741	56	14134	78.28	ug/l	99
14) Allyl chloride	4.491	41	54984	18.53	ug/l #	89
15) Acrylonitrile	5.180	53	54456	104.32	ug/l	100
16) Acetone	3.960	43	46083	94.83	ug/l	97
17) Carbon Disulfide	4.204	76	103981	19.72	ug/l	98
18) Methyl Acetate	4.497	43	24424	20.34	ug/l	91
19) Methyl tert-butyl Ether	5.234	73	109954	21.53	ug/l	96
20) Methylene Chloride	4.735	84	45221	20.14	ug/l	88
21) trans-1,2-Dichloroethene	5.234	96	41797	20.74	ug/l	91
22) Diisopropyl ether	6.131	45	119293	19.05	ug/l	94
23) Vinyl Acetate	6.076	43	408115	99.01	ug/l	97
24) 1,1-Dichloroethane	6.033	63	68439	19.69	ug/l	99
25) 2-Butanone	7.002	43	71439	101.98	ug/l #	90
26) 2,2-Dichloropropane	6.996	77	64451	19.41	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	46780	20.39	ug/l	93
28) Bromochloromethane	7.344	49	31654	20.85	ug/l	87
29) Tetrahydrofuran	7.362	42	47532	104.45	ug/l	92
30) Chloroform	7.515	83	73620	20.44	ug/l	100
31) Cyclohexane	7.795	56	66513	18.83	ug/l #	82
32) 1,1,1-Trichloroethane	7.716	97	69533	20.80	ug/l	99
36) 1,1-Dichloropropene	7.929	75	58086	20.91	ug/l	98
37) Ethyl Acetate	7.088	43	32454	21.69	ug/l	98
38) Carbon Tetrachloride	7.911	117	63280	21.47	ug/l	99
39) Methylcyclohexane	9.191	83	73506	20.48	ug/l	92
40) Benzene	8.173	78	163212	20.86	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	18765m	20.24	ug/l	
42) 1,2-Dichloroethane	8.246	62	51451	21.51	ug/l	97
43) Isopropyl Acetate	8.283	43	61042	20.33	ug/l #	96
44) Trichloroethene	8.947	130	51689	22.81	ug/l	98
45) 1,2-Dichloropropane	9.222	63	39838	20.39	ug/l	96
46) Dibromomethane	9.313	93	24868	22.26	ug/l	98
47) Bromodichloromethane	9.502	83	58275	20.90	ug/l	99
48) Methyl methacrylate	9.301	41	28119	19.71	ug/l	88
49) 1,4-Dioxane	9.313	88	6410	450.78	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	161221	106.02	ug/l	95
52) Toluene	10.246	92	107781	21.27	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	60354	20.52	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	69412	21.06	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	35258	22.44	ug/l	99
56) Ethyl methacrylate	10.514	69	45976	20.94	ug/l	90
57) 1,3-Dichloropropane	10.794	76	58975	21.92	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	113541	122.78	ug/l	93
59) 2-Hexanone	10.837	43	111869	104.71	ug/l	97
60) Dibromochloromethane	10.990	129	43899	22.26	ug/l	100
61) 1,2-Dibromoethane	11.093	107	34025	22.24	ug/l	98
64) Tetrachloroethene	10.721	164	56749	23.67	ug/l	97
65) Chlorobenzene	11.520	112	118274	21.55	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	44483	21.66	ug/l	98
67) Ethyl Benzene	11.593	91	209026	20.74	ug/l	98
68) m/p-Xylenes	11.709	106	162159	42.19	ug/l	94
69) o-Xylene	12.032	106	76489	21.05	ug/l	94
70) Styrene	12.044	104	129282	20.78	ug/l	98
71) Bromoform	12.209	173	27330	22.25	ug/l #	99
73) Isopropylbenzene	12.331	105	209910	20.52	ug/l	99
74) N-amyl acetate	12.148	43	57189	19.52	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	34860	19.61	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	29267m	20.73	ug/l	
77) Bromobenzene	12.611	156	51716	21.88	ug/l	95
78) n-propylbenzene	12.672	91	242294	20.10	ug/l	97
79) 2-Chlorotoluene	12.758	91	136113	20.11	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	176036	20.29	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	14414	20.15	ug/l	97
82) 4-Chlorotoluene	12.855	91	142411	19.88	ug/l	95
83) tert-Butylbenzene	13.081	119	153653	20.58	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	179436	20.65	ug/l	97
85) sec-Butylbenzene	13.257	105	213394	20.73	ug/l	99
86) p-Isopropyltoluene	13.373	119	198502	20.80	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	98403	21.56	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	97579	21.43	ug/l	98
89) n-Butylbenzene	13.696	91	182550	20.10	ug/l	98
90) Hexachloroethane	13.965	117	34435	20.08	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	88823	21.95	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7324	21.81	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	61903	22.55	ug/l	98
94) Hexachlorobutadiene	15.111	225	33316	21.65	ug/l	98
95) Naphthalene	15.239	128	125699	23.11	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	51977	22.52	ug/l	98

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

