

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031921\
 Data File : VY004130.D
 Acq On : 19 Mar 2021 11:39
 Operator : SY/MD
 Sample : VY0319SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2021 11:35:30 AM

Quant Time: Mar 20 03:11:29 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	203263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	315816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	286691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144697	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94000	46.86	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.72%		
35) Dibromofluoromethane	7.728	113	89658	50.34	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.68%		
50) Toluene-d8	10.185	98	337903	48.40	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.80%		
62) 4-Bromofluorobenzene	12.483	95	122068	47.34	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.68%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	35258	22.30	ug/l	95
3) Chloromethane	2.119	50	43893	20.09	ug/l	98
4) Vinyl Chloride	2.260	62	51584	21.00	ug/l	99
5) Bromomethane	2.650	94	34853	22.21	ug/l	98
6) Chloroethane	2.802	64	31320	20.94	ug/l	98
7) Trichlorofluoromethane	3.131	101	69225	21.20	ug/l	99
8) Diethyl Ether	3.540	74	21721	20.76	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.912	101	38941	21.32	ug/l	97
10) Methyl Iodide	4.101	142	39039	20.92	ug/l	99
11) Tert butyl alcohol	4.966	59	16917	93.28	ug/l #	91
12) 1,1-Dichloroethene	3.887	96	36733	20.55	ug/l	85
13) Acrolein	3.735	56	12818	71.25	ug/l	99
14) Allyl chloride	4.491	41	55320	18.71	ug/l #	89
15) Acrylonitrile	5.180	53	48726	93.69	ug/l	99
16) Acetone	3.954	43	40770	84.21	ug/l	99
17) Carbon Disulfide	4.204	76	104319	19.85	ug/l	98
18) Methyl Acetate	4.491	43	21268	17.78	ug/l	93
19) Methyl tert-butyl Ether	5.235	73	103684	20.38	ug/l	98
20) Methylene Chloride	4.735	84	49688	22.78	ug/l	90
21) trans-1,2-Dichloroethene	5.235	96	41658	20.75	ug/l	91
22) Diisopropyl ether	6.131	45	118442	18.98	ug/l	95
23) Vinyl Acetate	6.076	43	385901	93.96	ug/l	96
24) 1,1-Dichloroethane	6.027	63	69555	20.08	ug/l	98
25) 2-Butanone	6.997	43	60962	87.34	ug/l	92
26) 2,2-Dichloropropane	6.990	77	65180	19.70	ug/l	99
27) cis-1,2-Dichloroethene	6.997	96	47620	20.83	ug/l	90
28) Bromochloromethane	7.344	49	30870	20.41	ug/l	86
29) Tetrahydrofuran	7.362	42	41034	90.50	ug/l	91
30) Chloroform	7.515	83	74198	20.67	ug/l	98
31) Cyclohexane	7.795	56	65701	18.67	ug/l #	85
32) 1,1,1-Trichloroethane	7.710	97	69411	20.84	ug/l	99
36) 1,1-Dichloropropene	7.923	75	56674	20.43	ug/l	96
37) Ethyl Acetate	7.088	43	29349	19.64	ug/l	98
38) Carbon Tetrachloride	7.911	117	63203	21.47	ug/l	97
39) Methylcyclohexane	9.185	83	72773	20.31	ug/l	90
40) Benzene	8.167	78	165661	21.20	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	14870m	16.06	ug/l	
42) 1,2-Dichloroethane	8.246	62	50872	21.30	ug/l	96
43) Isopropyl Acetate	8.277	43	56372	18.80	ug/l	97
44) Trichloroethene	8.947	130	51666	22.83	ug/l	99
45) 1,2-Dichloropropane	9.222	63	39894	20.44	ug/l	100
46) Dibromomethane	9.313	93	23592	21.15	ug/l	97
47) Bromodichloromethane	9.502	83	58725	21.09	ug/l	100
48) Methyl methacrylate	9.295	41	25799	18.11	ug/l	91
49) 1,4-Dioxane	9.307	88	5436	382.76	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	140251	92.34	ug/l	96
52) Toluene	10.246	92	107301	21.20	ug/l	96
53) t-1,3-Dichloropropene	10.472	75	59528	20.26	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	67380	20.47	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	32910	20.98	ug/l	97
56) Ethyl methacrylate	10.514	69	42150	19.22	ug/l	92
57) 1,3-Dichloropropane	10.795	76	55308	20.59	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	102891	109.57	ug/l	93
59) 2-Hexanone	10.837	43	97198	91.09	ug/l	98
60) Dibromochloromethane	10.990	129	42099	21.37	ug/l	100
61) 1,2-Dibromoethane	11.093	107	32689	21.40	ug/l	97
64) Tetrachloroethene	10.721	164	56124	23.38	ug/l	95
65) Chlorobenzene	11.520	112	117009	21.30	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	44340	21.57	ug/l	99
67) Ethyl Benzene	11.593	91	207479	20.57	ug/l	97
68) m/p-Xylenes	11.703	106	159401	41.44	ug/l	96
69) o-Xylene	12.032	106	76766	21.11	ug/l	92
70) Styrene	12.050	104	127092	20.41	ug/l	98
71) Bromoform	12.215	173	25297	20.57	ug/l #	98
73) Isopropylbenzene	12.331	105	206348	20.52	ug/l	99
74) N-amyl acetate	12.148	43	50625	17.58	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	32868	18.81	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	26677m	19.23	ug/l	
77) Bromobenzene	12.611	156	49016	21.10	ug/l	96
78) n-propylbenzene	12.672	91	239744	20.24	ug/l	97
79) 2-Chlorotoluene	12.758	91	134620	20.24	ug/l	95
80) 1,3,5-Trimethylbenzene	12.819	105	173466	20.34	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	12657	18.00	ug/l	96
82) 4-Chlorotoluene	12.855	91	142690	20.27	ug/l	96
83) tert-Butylbenzene	13.081	119	151956	20.71	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	175310	20.52	ug/l	98
85) sec-Butylbenzene	13.258	105	208785	20.63	ug/l	98
86) p-Isopropyltoluene	13.373	119	194642	20.75	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	94558	21.08	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	96140	21.48	ug/l	99
89) n-Butylbenzene	13.697	91	181683	20.35	ug/l	99
90) Hexachloroethane	13.965	117	33861	20.08	ug/l	87
91) 1,2-Dichlorobenzene	13.745	146	85194	21.42	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6153	18.64	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	57365	21.26	ug/l	98
94) Hexachlorobutadiene	15.117	225	31179	20.62	ug/l	98
95) Naphthalene	15.239	128	108911	20.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	47762	21.06	ug/l	98

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

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