

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004354.D
 Acq On : 09 Apr 2021 13:33
 Operator : SY/MD
 Sample : VY0409SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0409SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 2:47:31 PM

Quant Time: Apr 10 02:01:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	169483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	272644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	239646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113285	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	79454	48.77	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.54%		
35) Dibromofluoromethane	7.728	113	66522	43.79	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.58%		
50) Toluene-d8	10.185	98	259459	45.41	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.82%		
62) 4-Bromofluorobenzene	12.483	95	90089	46.00	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.00%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	25669	17.49	ug/l	99
3) Chloromethane	2.119	50	40557	20.47	ug/l	98
4) Vinyl Chloride	2.259	62	59504	26.95	ug/l	95
5) Bromomethane	2.656	94	20844	17.16	ug/l	99
6) Chloroethane	2.796	64	27695	19.35	ug/l	98
7) Trichlorofluoromethane	3.131	101	58207	20.28	ug/l	97
8) Diethyl Ether	3.540	74	21050	22.86	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.905	101	32765	20.97	ug/l	98
10) Methyl Iodide	4.106	142	34955	19.36	ug/l	99
11) Tert butyl alcohol	4.990	59	18355	138.45	ug/l	98
12) 1,1-Dichloroethene	3.881	96	30910	20.16	ug/l	93
13) Acrolein	3.741	56	13379	112.41	ug/l	96
14) Allyl chloride	4.491	41	60216	24.65	ug/l	95
15) Acrylonitrile	5.186	53	54777	124.98	ug/l	100
16) Acetone	3.966	43	40976	120.72	ug/l	99
17) Carbon Disulfide	4.204	76	81782	20.29	ug/l	97
18) Methyl Acetate	4.497	43	27585	25.39	ug/l	95
19) Methyl tert-butyl Ether	5.234	73	101361	22.38	ug/l	96
20) Methylene Chloride	4.734	84	41330	23.51	ug/l	98
21) trans-1,2-Dichloroethene	5.234	96	34943	20.30	ug/l	89
22) Diisopropyl ether	6.137	45	134239	25.02	ug/l	95
23) Vinyl Acetate	6.076	43	442743	122.69	ug/l	96
24) 1,1-Dichloroethane	6.033	63	67278	23.02	ug/l	98
25) 2-Butanone	6.996	43	70937	125.10	ug/l	95
26) 2,2-Dichloropropane	6.990	77	61318	22.42	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	40956	21.02	ug/l	94
28) Bromochloromethane	7.344	49	31600	26.60	ug/l	89
29) Tetrahydrofuran	7.362	42	50139	125.50	ug/l	93
30) Chloroform	7.514	83	66937	21.52	ug/l	97
31) Cyclohexane	7.795	56	62814	21.82	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	60137	21.14	ug/l	98
36) 1,1-Dichloropropene	7.923	75	50560	20.31	ug/l	99
37) Ethyl Acetate	7.088	43	34916	23.91	ug/l	98
38) Carbon Tetrachloride	7.911	117	47166	21.79	ug/l	99
39) Methylcyclohexane	9.185	83	62327	20.23	ug/l	98
40) Benzene	8.167	78	148365	21.03	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	17668	21.84	ug/l #	42
42) 1,2-Dichloroethane	8.246	62	47029	21.21	ug/l	99
43) Isopropyl Acetate	8.283	43	68349	24.72	ug/l	97
44) Trichloroethene	8.947	130	40970	18.24	ug/l	95
45) 1,2-Dichloropropane	9.221	63	40134	23.02	ug/l	96
46) Dibromomethane	9.313	93	21297	20.77	ug/l	95
47) Bromodichloromethane	9.502	83	52669	21.53	ug/l	99
48) Methyl methacrylate	9.301	41	30626	24.39	ug/l	96
49) 1,4-Dioxane	9.313	88	5653	416.58	ug/l #	80
51) 4-Methyl-2-Pentanone	10.075	43	174978	124.23	ug/l	97
52) Toluene	10.246	92	94610	20.86	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	57664	22.11	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	64514	22.14	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	29879	21.27	ug/l	97
56) Ethyl methacrylate	10.514	69	41808	21.70	ug/l	92
57) 1,3-Dichloropropane	10.794	76	53944	22.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	105381	127.82	ug/l	96
59) 2-Hexanone	10.837	43	119204	123.11	ug/l	96
60) Dibromochloromethane	10.989	129	36144	21.46	ug/l	97
61) 1,2-Dibromoethane	11.093	107	28545	20.59	ug/l	100
64) Tetrachloroethene	10.721	164	40918	17.35	ug/l	99
65) Chlorobenzene	11.520	112	98078	20.52	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	35289	20.61	ug/l	97
67) Ethyl Benzene	11.593	91	182437	21.02	ug/l	98
68) m/p-Xylenes	11.703	106	134207	40.27	ug/l	97
69) o-Xylene	12.032	106	63545	20.38	ug/l	99
70) Styrene	12.044	104	105287	20.30	ug/l	99
71) Bromoform	12.215	173	20621	21.15	ug/l #	99
73) Isopropylbenzene	12.331	105	172887	20.89	ug/l	97
74) N-amyl acetate	12.148	43	59861	24.75	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	33811	22.07	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	23580m	22.92	ug/l	
77) Bromobenzene	12.611	156	39495	20.38	ug/l	92
78) n-propylbenzene	12.672	91	205643	21.48	ug/l	98
79) 2-Chlorotoluene	12.757	91	112741	21.43	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	142030	21.04	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	13307	23.84	ug/l	98
82) 4-Chlorotoluene	12.855	91	117804	21.28	ug/l	97
83) tert-Butylbenzene	13.074	119	123137	21.11	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	141823	20.94	ug/l	99
85) sec-Butylbenzene	13.257	105	170964	21.29	ug/l	99
86) p-Isopropyltoluene	13.373	119	153337	20.52	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	73455	20.32	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	73947	20.71	ug/l	98
89) n-Butylbenzene	13.696	91	147199	21.43	ug/l	99
90) Hexachloroethane	13.964	117	22094	35.74	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	65515	20.19	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6369	22.28	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	45776	19.85	ug/l	99
94) Hexachlorobutadiene	15.117	225	23622	19.26	ug/l	97
95) Naphthalene	15.239	128	100733	20.59	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	40617	19.28	ug/l	98

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

