

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031721\
 Data File : VW018358.D
 Acq On : 17 Mar 2021 21:18
 Operator : SY/VA
 Sample : M1458-02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/18/2021 4:12:55 PM

Quant Time: Mar 18 03:34:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 18 03:32:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	367694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	628425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	575825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	275543	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	199735	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
35) Dibromofluoromethane	7.884	113	175991	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
50) Toluene-d8	10.323	98	698406	47.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	12.615	95	265541	48.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.06%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.014	85	10962	4.19	ug/l	96
3) Chloromethane	2.215	50	20598	5.09	ug/l	99
4) Vinyl Chloride	2.361	62	19722	5.04	ug/l	98
5) Bromomethane	2.776	94	19267	6.04	ug/l	86
6) Chloroethane	2.922	64	16530	5.40	ug/l	98
7) Trichlorofluoromethane	3.257	101	12726	4.19	ug/l	100
8) Diethyl Ether	3.684	74	9448	5.15	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.062	101	17429	5.08	ug/l	96
10) Methyl Iodide	4.269	142	26215	5.19	ug/l	95
11) Tert butyl alcohol	5.159	59	7757	32.46	ug/l #	72
12) 1,1-Dichloroethene	4.038	96	17896	5.06	ug/l #	88
13) Acrolein	3.897	56	5321	29.16	ug/l	94
14) Allyl chloride	4.666	41	24038	4.99	ug/l	95
15) Acrylonitrile	5.367	53	20245	27.88	ug/l	98
16) Acetone	4.123	43	18153	30.93	ug/l	95
17) Carbon Disulfide	4.385	76	44659	4.81	ug/l	98
18) Methyl Acetate	4.672	43	9477	6.15	ug/l	93
19) Methyl tert-butyl Ether	5.434	73	29889	5.63	ug/l	94
20) Methylene Chloride	4.922	84	32134	7.20	ug/l	97
21) trans-1,2-Dichloroethene	5.428	96	21635	5.20	ug/l #	84
22) Diisopropyl ether	6.312	45	53001	5.36	ug/l	96
23) Vinyl Acetate	6.257	43	157262	25.69	ug/l	97
24) 1,1-Dichloroethane	6.220	63	36623	5.16	ug/l	99
25) 2-Butanone	7.171	43	24636	28.33	ug/l	99
26) 2,2-Dichloropropane	7.165	77	23358	5.12	ug/l	96
27) cis-1,2-Dichloroethene	7.171	96	24366	5.38	ug/l	93
28) Bromochloromethane	7.513	49	15980	5.77	ug/l	88
29) Tetrahydrofuran	7.531	42	15114	26.78	ug/l	96
30) Chloroform	7.677	83	39509	5.28	ug/l	100
31) Cyclohexane	7.952	56	39129	5.82	ug/l #	85
32) 1,1,1-Trichloroethane	7.872	97	31244	5.14	ug/l	94
36) 1,1-Dichloropropene	8.080	75	30304	4.88	ug/l	99
37) Ethyl Acetate	7.263	43	10052	4.63	ug/l #	83
38) Carbon Tetrachloride	8.073	117	27999	4.82	ug/l	93
39) Methylcyclohexane	9.335	83	38912	4.95	ug/l	97
40) Benzene	8.323	78	85016	5.11	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.476	41	6248	5.32	ug/l #	92
42) 1,2-Dichloroethane	8.397	62	27167	5.20	ug/l	99
43) Isopropyl Acetate	8.427	43	21513	4.94	ug/l	98
44) Trichloroethene	9.092	130	22293	4.98	ug/l	94
45) 1,2-Dichloropropane	9.372	63	20550	5.12	ug/l	93
46) Dibromomethane	9.463	93	11097	4.95	ug/l	98
47) Bromodichloromethane	9.646	83	28940	4.96	ug/l	99
48) Methyl methacrylate	9.439	41	9514	4.60	ug/l	90
49) 1,4-Dioxane	9.451	88	4112	126.35	ug/l	96
51) 4-Methyl-2-Pentanone	10.207	43	53388	25.08	ug/l	99
52) Toluene	10.390	92	54838	5.00	ug/l	100
53) t-1,3-Dichloropropene	10.610	75	27945	4.70	ug/l	98
54) cis-1,3-Dichloropropene	10.073	75	33109	4.88	ug/l	91
55) 1,1,2-Trichloroethane	10.786	97	16146	5.32	ug/l	97
56) Ethyl methacrylate	10.640	69	19737	5.00	ug/l	96
57) 1,3-Dichloropropane	10.933	76	27469	5.08	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.921	63	51240	25.58	ug/l	95
59) 2-Hexanone	10.969	43	37080	25.31	ug/l	97
60) Dibromochloromethane	11.128	129	17046	4.56	ug/l	95
61) 1,2-Dibromoethane	11.238	107	14573	4.89	ug/l	99
64) Tetrachloroethene	10.860	164	18180	4.95	ug/l	93
65) Chlorobenzene	11.652	112	59244	5.09	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	19643	4.78	ug/l	98
67) Ethyl Benzene	11.731	91	109009	4.95	ug/l	96
68) m/p-Xylenes	11.841	106	79725	9.55	ug/l	95
69) o-Xylene	12.164	106	37272	4.77	ug/l	98
70) Styrene	12.182	104	61922	4.74	ug/l	99
71) Bromoform	12.353	173	9093	4.34	ug/l #	99
73) Isopropylbenzene	12.463	105	103634	4.99	ug/l	100
74) N-amyl acetate	12.274	43	20609	5.05	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.713	83	17742	5.24	ug/l	100
76) 1,2,3-Trichloropropane	12.768	75	13815m	5.45	ug/l	
77) Bromobenzene	12.749	156	22060	4.96	ug/l	93
78) n-propylbenzene	12.804	91	125723	5.08	ug/l	100
79) 2-Chlorotoluene	12.890	91	72275	5.10	ug/l	96
80) 1,3,5-Trimethylbenzene	12.945	105	86889	4.85	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.512	75	5142	4.44	ug/l	99
82) 4-Chlorotoluene	12.987	91	77034	5.16	ug/l	99
83) tert-Butylbenzene	13.207	119	73929	4.87	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	88696	4.95	ug/l	99
85) sec-Butylbenzene	13.383	105	101402	4.74	ug/l	98
86) p-Isopropyltoluene	13.493	119	94243	4.91	ug/l	97
87) 1,3-Dichlorobenzene	13.499	146	44474	4.96	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	45025	5.03	ug/l	88
89) n-Butylbenzene	13.822	91	95845	5.03	ug/l	99
90) Hexachloroethane	14.091	117	17383	4.92	ug/l	88
91) 1,2-Dichlorobenzene	13.871	146	39812	5.04	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.481	75	3422	5.45	ug/l	86
93) 1,2,4-Trichlorobenzene	15.133	180	29288	5.24	ug/l	91
94) Hexachlorobutadiene	15.231	225	14710	4.64	ug/l	83
95) Naphthalene	15.365	128	52096	5.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	22876	4.92	ug/l	91

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

