

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050720\
 Data File : VW015419.D
 Acq On : 07 May 2020 14:37
 Operator : SY/VA
 Sample : L2182-03 4PPBMDL
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

Quant Time: May 08 07:35:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	149349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121121	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	7.88	113	104024	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.32	98	426663	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	155469	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	4444	3.579	ug/l	92
3) Chloromethane	2.21	50	6593	4.241	ug/l	94
4) Vinyl Chloride	2.36	62	9091	3.862	ug/l	96
5) Bromomethane	2.78	94	7163	3.884	ug/l	92
6) Chloroethane	2.93	64	6293	3.879	ug/l	99
7) Trichlorofluoromethane	3.26	101	5733	3.320	ug/l	90
8) Diethyl Ether	3.68	74	4591	4.255	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	8492	4.242	ug/l	97
10) Methyl Iodide	4.28	142	12351	4.078	ug/l	97
11) Tert butyl alcohol	5.18	59	4365	32.063	ug/l	99
12) 1,1-Dichloroethene	4.04	96	8327	4.011	ug/l	95
13) Acrolein	3.90	56	3438	19.776	ug/l	93
14) Allyl chloride	4.67	41	14098	3.876	ug/l	95
15) Acrylonitrile	5.37	53	9713	22.117	ug/l	97
16) Acetone	4.12	43	9314	25.396	ug/l	97
17) Carbon Disulfide	4.38	76	24270	3.813	ug/l	99
18) Methyl Acetate	4.67	43	5071	5.208	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	15000	4.497	ug/l	98
20) Methylene Chloride	4.92	84	11938	4.989	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	9637	4.090	ug/l	95
22) Diisopropyl ether	6.31	45	29644	4.171	ug/l	96
23) Vinyl Acetate	6.26	43	85327	19.750	ug/l	98
24) 1,1-Dichloroethane	6.21	63	17722	4.159	ug/l	99
25) 2-Butanone	7.17	43	13965	24.429	ug/l	96
26) 2,2-Dichloropropane	7.17	77	13353	4.728	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	10712	4.187	ug/l	93
28) Bromochloromethane	7.51	49	7231	4.221	ug/l #	99
29) Tetrahydrofuran	7.53	42	8601	22.862	ug/l	98
30) Chloroform	7.68	83	18034	4.260	ug/l	93
31) Cyclohexane	7.95	56	21612	4.996	ug/l #	71
32) 1,1,1-Trichloroethane	7.87	97	15414	4.332	ug/l	99
36) 1,1-Dichloropropene	8.09	75	14610	4.219	ug/l	100
37) Ethyl Acetate	7.26	43	5984	4.454	ug/l	98
38) Carbon Tetrachloride	8.07	117	13526	4.178	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	18029	4.113	ug/l	97
40) Benzene	8.32	78	40389	4.277	ug/l	97
41) Methacrylonitrile	7.48	41	3263	3.844	ug/l	88
42) 1,2-Dichloroethane	8.40	62	13015	4.525	ug/l	99
43) Isopropyl Acetate	8.42	43	12177	4.309	ug/l	100
44) Trichloroethene	9.09	130	10452	4.270	ug/l	96
45) 1,2-Dichloropropane	9.37	63	10098	4.329	ug/l	97
46) Dibromomethane	9.46	93	4937	4.255	ug/l	98
47) Bromodichloromethane	9.64	83	13565	4.290	ug/l	98
48) Methyl methacrylate	9.44	41	6166	4.724	ug/l	88
49) 1,4-Dioxane	9.45	88	1440	98.616	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	32968	24.896	ug/l	99
52) Toluene	10.38	92	26547	4.326	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	13128	4.067	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	15786	4.154	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	6860	4.181	ug/l	96
56) Ethyl methacrylate	10.65	69	9251	4.104	ug/l	96
57) 1,3-Dichloropropane	10.93	76	12648	4.287	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	24369	22.219	ug/l	98
59) 2-Hexanone	10.97	43	19082	21.297	ug/l	99
60) Dibromochloromethane	11.13	129	7894	4.000	ug/l	98
61) 1,2-Dibromoethane	11.23	107	6711	4.320	ug/l	99
64) Tetrachloroethene	10.87	164	8671	4.527	ug/l	89
65) Chlorobenzene	11.66	112	26961	4.364	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	9327	4.258	ug/l	98
67) Ethyl Benzene	11.73	91	50827	4.298	ug/l	99
68) m/p-Xylenes	11.84	106	36990	8.413	ug/l	100
69) o-Xylene	12.16	106	17417	4.216	ug/l	99
70) Styrene	12.18	104	29444	4.138	ug/l	99
71) Bromoform	12.35	173	4190	3.922	ug/l #	99
73) Isopropylbenzene	12.46	105	49159	4.409	ug/l	98
74) N-amyl acetate	12.27	43	11862	4.501	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	7776	4.458	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	4055m	3.300	ug/l	
77) Bromobenzene	12.74	156	10343	4.377	ug/l	99
78) n-propylbenzene	12.80	91	58514	4.374	ug/l	100
79) 2-Chlorotoluene	12.89	91	33307	4.417	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	40277	4.289	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	2354m	3.790	ug/l	
82) 4-Chlorotoluene	12.99	91	35044	4.385	ug/l	98
83) tert-Butylbenzene	13.20	119	34893	4.354	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	41065	4.371	ug/l	99
85) sec-Butylbenzene	13.38	105	49506	4.384	ug/l	98
86) p-Isopropyltoluene	13.50	119	44328	4.304	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	20922	4.445	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	21075	4.521	ug/l	92
89) n-Butylbenzene	13.82	91	43855	4.350	ug/l	99
90) Hexachloroethane	14.09	117	8196	4.319	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	18156	4.455	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1374	4.512	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	11555	4.219	ug/l	98
94) Hexachlorobutadiene	15.24	225	7271	4.480	ug/l	99
95) Naphthalene	15.36	128	20370	4.152	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	10437	4.435	ug/l	99

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

