

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031020\
 Data File : VW015112.D
 Acq On : 10 Mar 2020 14:35
 Operator : SY/VA
 Sample : L1161-03 4PPBMDL
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT1-2020DL

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:22:14 PM

Quant Time: Mar 11 09:24:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	325052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	625245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	568323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	242399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	279630	58.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.02%	
35) Dibromofluoromethane	7.88	113	195801	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
50) Toluene-d8	10.32	98	817891	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.62	95	265482	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	8379	4.251	ug/l	88
3) Chloromethane	2.21	50	21867	5.170	ug/l	96
4) Vinyl Chloride	2.36	62	25514	4.608	ug/l	97
5) Bromomethane	2.78	94	14072	4.446	ug/l	96
6) Chloroethane	2.93	64	13867	4.324	ug/l	96
7) Trichlorofluoromethane	3.26	101	12238	4.416	ug/l	98
8) Diethyl Ether	3.68	74	9928	4.702	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.07	101	20583	4.873	ug/l	97
10) Methyl Iodide	4.27	142	20693	4.403	ug/l	97
11) Tert butyl alcohol	5.16	59	14208	51.725	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	17896	4.333	ug/l	97
13) Acrolein	3.89	56	10473	26.070	ug/l	93
14) Allyl chloride	4.67	41	36293	4.385	ug/l	99
15) Acrylonitrile	5.37	53	28369	26.212	ug/l	97
16) Acetone	4.12	43	34400	31.559	ug/l	100
17) Carbon Disulfide	4.38	76	64572	4.410	ug/l	99
18) Methyl Acetate	4.68	43	14672	5.678	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	25175	4.762	ug/l	99
20) Methylene Chloride	4.92	84	34330	6.803	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	19802	4.516	ug/l	93
22) Diisopropyl ether	6.31	45	64885	4.086	ug/l #	85
23) Vinyl Acetate	6.26	43	190610	20.332	ug/l	97
24) 1,1-Dichloroethane	6.22	63	42298	4.567	ug/l	97
25) 2-Butanone	7.18	43	43523	29.126	ug/l	98
26) 2,2-Dichloropropane	7.16	77	31817	6.007	ug/l	92
27) cis-1,2-Dichloroethene	7.16	96	20263	4.439	ug/l	80
28) Bromochloromethane	7.51	49	21093	4.753	ug/l	100
29) Tetrahydrofuran	7.53	42	24159	25.848	ug/l	95
30) Chloroform	7.67	83	40739	4.957	ug/l	89
31) Cyclohexane	7.95	56	49571	5.204	ug/l #	73
32) 1,1,1-Trichloroethane	7.87	97	29902	4.660	ug/l	99
36) 1,1-Dichloropropene	8.08	75	30471	4.202	ug/l	95
37) Ethyl Acetate	7.25	43	20552	5.687	ug/l	99
38) Carbon Tetrachloride	8.06	117	25784	4.368	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32380	3.906	ug/l	97
40) Benzene	8.32	78	94541	4.692	ug/l	94
41) Methacrylonitrile	7.49	41	8660	4.531	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	30650	4.993	ug/l	99
43) Isopropyl Acetate	8.42	43	32546	5.024	ug/l	98
44) Trichloroethene	9.09	130	18372	4.283	ug/l	87
45) 1,2-Dichloropropane	9.37	63	23985	4.420	ug/l	91
46) Dibromomethane	9.46	93	11655	4.939	ug/l	92
47) Bromodichloromethane	9.64	83	28094	4.460	ug/l	99
48) Methyl methacrylate	9.44	41	12579m	4.207	ug/l	
49) 1,4-Dioxane	9.44	88	3700	102.418	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	83139	23.233	ug/l	97
52) Toluene	10.38	92	51084	4.413	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	26745	4.315	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	31491	4.171	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	14021	4.337	ug/l #	89
56) Ethyl methacrylate	10.65	69	17164	4.114	ug/l	96
57) 1,3-Dichloropropane	10.93	76	28793	4.678	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	48514	19.819	ug/l	99
59) 2-Hexanone	10.97	43	50565	22.622	ug/l	94
60) Dibromochloromethane	11.13	129	14271	4.274	ug/l	96
61) 1,2-Dibromoethane	11.24	107	13668	4.768	ug/l	97
64) Tetrachloroethene	10.86	164	13882	4.233	ug/l	97
65) Chlorobenzene	11.66	112	49299	4.322	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	16526	4.351	ug/l	99
67) Ethyl Benzene	11.73	91	88017	3.965	ug/l	100
68) m/p-Xylenes	11.83	106	60334	7.689	ug/l	96
69) o-Xylene	12.16	106	26274	3.717	ug/l	97
70) Styrene	12.18	104	42392	3.500	ug/l	98
71) Bromoform	12.35	173	7262	4.308	ug/l #	99
73) Isopropylbenzene	12.46	105	70500	3.807	ug/l	99
74) N-amyl acetate	12.27	43	21820	3.987	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	19766	5.257	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	15266m	5.572	ug/l	
77) Bromobenzene	12.74	156	16443	4.493	ug/l	96
78) n-propylbenzene	12.80	91	99793	4.147	ug/l	99
79) 2-Chlorotoluene	12.89	91	57228	4.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	62015	3.895	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	5171	4.263	ug/l	90
82) 4-Chlorotoluene	12.99	91	60071	4.169	ug/l	99
83) tert-Butylbenzene	13.21	119	48756	3.780	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	57716	3.626	ug/l	100
85) sec-Butylbenzene	13.38	105	76876	3.938	ug/l	99
86) p-Isopropyltoluene	13.50	119	62555	3.728	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	33705	4.347	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	34519	4.521	ug/l	89
89) n-Butylbenzene	13.82	91	67124	3.710	ug/l	97
90) Hexachloroethane	14.09	117	13984	4.156	ug/l	96
91) 1,2-Dichlorobenzene	13.86	146	29357	4.323	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3406	5.641	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	13469	3.466	ug/l	96
94) Hexachlorobutadiene	15.23	225	10686	4.379	ug/l	93
95) Naphthalene	15.36	128	21044	2.900	ug/l	96
96) 1,2,3-Trichlorobenzene	15.55	180	12660	3.673	ug/l	97

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

