

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015103.D
 Acq On : 09 Mar 2020 17:49
 Operator : SY/VA
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:24:16 PM

Quant Time: Mar 10 18:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 10 18:26:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	387186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	762130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	682086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	290213	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	318776	55.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.98%	
35) Dibromofluoromethane	7.88	113	230215	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.32	98	969371	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.62	95	318240	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	9899	4.216	ug/l	91
3) Chloromethane	2.21	50	25278	5.017	ug/l	97
4) Vinyl Chloride	2.36	62	28648	4.343	ug/l	96
5) Bromomethane	2.78	94	15891	4.215	ug/l	91
6) Chloroethane	2.92	64	15680	4.104	ug/l #	87
7) Trichlorofluoromethane	3.26	101	14643	4.436	ug/l	94
8) Diethyl Ether	3.68	74	11201	4.454	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	22021	4.377	ug/l	100
10) Methyl Iodide	4.27	142	23887	4.267	ug/l	99
11) Tert butyl alcohol	5.15	59	14282	43.651	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	20563	4.180	ug/l	90
13) Acrolein	3.90	56	10796	22.562	ug/l	95
14) Allyl chloride	4.67	41	42725	4.334	ug/l	99
15) Acrylonitrile	5.37	53	28374	22.009	ug/l	99
16) Acetone	4.12	43	33163	25.542	ug/l	97
17) Carbon Disulfide	4.38	76	73531	4.216	ug/l	98
18) Methyl Acetate	4.67	43	14543	4.725	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	28299	4.494	ug/l	99
20) Methylene Chloride	4.92	84	43150	7.179	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	22650	4.336	ug/l	93
22) Diisopropyl ether	6.31	45	76519	4.045	ug/l	90
23) Vinyl Acetate	6.25	43	213722	19.139	ug/l	98
24) 1,1-Dichloroethane	6.21	63	49964	4.529	ug/l	99
25) 2-Butanone	7.17	43	42520	23.889	ug/l	98
26) 2,2-Dichloropropane	7.15	77	34582	5.481	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	23641	4.348	ug/l	89
28) Bromochloromethane	7.51	49	22553	4.267	ug/l	99
29) Tetrahydrofuran	7.53	42	23385	21.004	ug/l	99
30) Chloroform	7.68	83	44538	4.550	ug/l	92
31) Cyclohexane	7.95	56	56822	5.008	ug/l #	62
32) 1,1,1-Trichloroethane	7.87	97	33674	4.406	ug/l	99
36) 1,1-Dichloropropene	8.08	75	35872	4.059	ug/l	99
37) Ethyl Acetate	7.25	43	20376	4.626	ug/l	97
38) Carbon Tetrachloride	8.07	117	30053	4.177	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	38530	3.813	ug/l	97
40) Benzene	8.32	78	106317	4.329	ug/l	95
41) Methacrylonitrile	7.48	41	7721	3.314	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	33033	4.414	ug/l	100
43) Isopropyl Acetate	8.43	43	33213	4.206	ug/l	96
44) Trichloroethene	9.09	130	21349	4.083	ug/l	96
45) 1,2-Dichloropropane	9.37	63	27252	4.120	ug/l	96
46) Dibromomethane	9.46	93	12064	4.194	ug/l	99
47) Bromodichloromethane	9.64	83	31680	4.126	ug/l	92
48) Methyl methacrylate	9.43	41	14268	3.915	ug/l	98
49) 1,4-Dioxane	9.45	88	3499	79.459	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	87384	20.033	ug/l	96
52) Toluene	10.38	92	58417	4.140	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	28640	3.791	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	35624	3.871	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	16189	4.108	ug/l	93
56) Ethyl methacrylate	10.65	69	18324	3.603	ug/l	97
57) 1,3-Dichloropropane	10.93	76	30682	4.089	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	57123	19.145	ug/l	100
59) 2-Hexanone	10.97	43	51484	18.896	ug/l	92
60) Dibromochloromethane	11.13	129	16257	3.994	ug/l	100
61) 1,2-Dibromoethane	11.23	107	14491	4.148	ug/l	97
64) Tetrachloroethene	10.86	164	16095	4.089	ug/l	93
65) Chlorobenzene	11.65	112	57525	4.202	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	17856	3.917	ug/l	96
67) Ethyl Benzene	11.73	91	102284	3.839	ug/l	96
68) m/p-Xylenes	11.84	106	69913	7.423	ug/l	99
69) o-Xylene	12.16	106	30735	3.623	ug/l	100
70) Styrene	12.18	104	49446	3.401	ug/l	98
71) Bromoform	12.35	173	8146	4.026	ug/l #	98
73) Isopropylbenzene	12.46	105	84942	3.832	ug/l	99
74) N-amyl acetate	12.27	43	23706	3.618	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	20304	4.510	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	15680m	4.781	ug/l	
77) Bromobenzene	12.74	156	18618	4.249	ug/l	96
78) n-propylbenzene	12.80	91	114362	3.969	ug/l	100
79) 2-Chlorotoluene	12.89	91	66271	4.091	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	71295	3.740	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	185289	127.594	ug/l #	6
82) 4-Chlorotoluene	12.99	91	70457	4.084	ug/l	97
83) tert-Butylbenzene	13.20	119	56877	3.683	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	70258	3.686	ug/l	97
85) sec-Butylbenzene	13.38	105	89010	3.809	ug/l	100
86) p-Isopropyltoluene	13.49	119	73227	3.645	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	38648	4.163	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	39805	4.354	ug/l	89
89) n-Butylbenzene	13.82	91	80435	3.713	ug/l	98
90) Hexachloroethane	14.09	117	16821	4.175	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	33386	4.106	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3344	4.626	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	15807	3.397	ug/l	98
94) Hexachlorobutadiene	15.23	225	11827	4.048	ug/l	97
95) Naphthalene	15.36	128	22803	2.625	ug/l	97
96) 1,2,3-Trichlorobenzene	15.55	180	14143	3.427	ug/l	99

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

