

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015411.D
 Acq On : 06 May 2020 13:11
 Operator : SY/VA
 Sample : L2182-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:00 AM

Quant Time: May 07 04:00:20 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	208788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147966	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	116226	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.88	113	100028	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.32	98	414659	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	147887	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.01	85	5355	4.436	ug/l	86
3) Chloromethane	2.21	50	7663	5.071	ug/l	97
4) Vinyl Chloride	2.36	62	11057	4.831	ug/l	98
5) Bromomethane	2.78	94	8823	4.921	ug/l	91
6) Chloroethane	2.93	64	7370	4.673	ug/l	96
7) Trichlorofluoromethane	3.26	101	7176	4.275	ug/l	93
8) Diethyl Ether	3.68	74	5323	5.074	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.07	101	9628	4.948	ug/l	99
10) Methyl Iodide	4.27	142	14854	5.044	ug/l	99
11) Tert butyl alcohol	5.20	59	4217	31.863	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	9794	4.853	ug/l	94
13) Acrolein	3.89	56	4495	26.596	ug/l	96
14) Allyl chloride	4.67	41	17909	5.065	ug/l	97
15) Acrylonitrile	5.37	53	11088	25.971	ug/l	99
16) Acetone	4.12	43	9968	27.957	ug/l	99
17) Carbon Disulfide	4.38	76	29835	4.822	ug/l	98
18) Methyl Acetate	4.67	43	5388	5.692	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	16488	5.085	ug/l	98
20) Methylene Chloride	4.92	84	11675	5.019	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	11355	4.957	ug/l	94
22) Diisopropyl ether	6.31	45	34082	4.933	ug/l	93
23) Vinyl Acetate	6.26	43	101053	24.059	ug/l	99
24) 1,1-Dichloroethane	6.22	63	20356	4.914	ug/l	99
25) 2-Butanone	7.17	43	14958	26.915	ug/l	93
26) 2,2-Dichloropropane	7.16	77	14554	5.301	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	12473	5.014	ug/l	98
28) Bromochloromethane	7.51	49	8963	5.381	ug/l	99
29) Tetrahydrofuran	7.53	42	9615	26.289	ug/l	98
30) Chloroform	7.68	83	20876	5.072	ug/l	98
31) Cyclohexane	7.96	56	24746	5.884	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	17761	5.135	ug/l	100
36) 1,1-Dichloropropene	8.09	75	17050	5.024	ug/l	99
37) Ethyl Acetate	7.26	43	7353	5.584	ug/l	99
38) Carbon Tetrachloride	8.07	117	15906	5.014	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	21918	5.103	ug/l	99
40) Benzene	8.32	78	46197	4.992	ug/l	100
41) Methacrylonitrile	7.48	41	3965	4.766	ug/l	97
42) 1,2-Dichloroethane	8.40	62	14467	5.132	ug/l	99
43) Isopropyl Acetate	8.43	43	13930	5.030	ug/l	99
44) Trichloroethene	9.09	130	11861	4.945	ug/l	96
45) 1,2-Dichloropropane	9.37	63	11191	4.895	ug/l	96
46) Dibromomethane	9.46	93	5780	5.083	ug/l	95
47) Bromodichloromethane	9.65	83	15490	4.998	ug/l	100
48) Methyl methacrylate	9.44	41	6280	4.910	ug/l	97
49) 1,4-Dioxane	9.45	88	1483	103.631	ug/l	89
51) 4-Methyl-2-Pentanone	10.21	43	33449	25.774	ug/l	100
52) Toluene	10.39	92	29829	4.960	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	15291	4.834	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	18224	4.893	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	8063	5.014	ug/l	91
56) Ethyl methacrylate	10.65	69	10487	4.747	ug/l	93
57) 1,3-Dichloropropane	10.93	76	14525	5.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	28558	26.569	ug/l	100
59) 2-Hexanone	10.97	43	22439	25.554	ug/l	98
60) Dibromochloromethane	11.13	129	9001	4.654	ug/l	99
61) 1,2-Dibromoethane	11.23	107	7713	5.066	ug/l	98
64) Tetrachloroethene	10.86	164	9958	5.320	ug/l	88
65) Chlorobenzene	11.66	112	30723	5.088	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	10556	4.931	ug/l	99
67) Ethyl Benzene	11.73	91	58123	5.029	ug/l	97
68) m/p-Xylenes	11.84	106	42766	9.953	ug/l	99
69) o-Xylene	12.16	106	19759	4.894	ug/l	98
70) Styrene	12.18	104	33467	4.813	ug/l	99
71) Bromoform	12.35	173	4921	4.714	ug/l #	99
73) Isopropylbenzene	12.46	105	56812	5.143	ug/l	98
74) N-amyl acetate	12.27	43	13125	5.026	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	8919	5.161	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	6115m	5.024	ug/l	
77) Bromobenzene	12.74	156	11859	5.066	ug/l	100
78) n-propylbenzene	12.80	91	67282	5.077	ug/l	100
79) 2-Chlorotoluene	12.89	91	37857	5.067	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	46799	5.030	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	2752	4.472	ug/l	91
82) 4-Chlorotoluene	12.99	91	40359	5.097	ug/l	99
83) tert-Butylbenzene	13.21	119	40590	5.112	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	47264	5.078	ug/l	100
85) sec-Butylbenzene	13.38	105	56383	5.040	ug/l	99
86) p-Isopropyltoluene	13.50	119	51589	5.056	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	23117	4.957	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	23593	5.109	ug/l	93
89) n-Butylbenzene	13.82	91	49968	5.003	ug/l	99
90) Hexachloroethane	14.09	117	9206	4.896	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	20697	5.126	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1620	5.370	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	13117	4.834	ug/l	97
94) Hexachlorobutadiene	15.24	225	8160	5.074	ug/l	95
95) Naphthalene	15.36	128	24086	4.955	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	11836	5.076	ug/l	100

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

