

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011167.D
 Acq On : 08 Jul 2019 18:07
 Operator : SY/VA
 Sample : K3591-02L005PPB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:28 PM

Quant Time: Jul 09 07:19:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 07:10:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140436	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	7.88	113	108849	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	10.32	98	444965	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.62	95	161989	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	7571	4.463	ug/l	96
3) Chloromethane	2.21	50	11378	5.206	ug/l	100
4) Vinyl Chloride	2.35	62	14341	5.013	ug/l	92
5) Bromomethane	2.77	94	7658	5.327	ug/l	90
6) Chloroethane	2.92	64	7376	4.787	ug/l	99
7) Trichlorofluoromethane	3.24	101	3820	3.759	ug/l	94
8) Diethyl Ether	3.68	74	6763	4.809	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11885	4.882	ug/l	97
10) Methyl Iodide	4.28	142	16553	4.944	ug/l	99
11) Tert butyl alcohol	5.17	59	5566	26.306	ug/l	94
12) 1,1-Dichloroethene	4.03	96	12301	4.869	ug/l	93
13) Acrolein	3.90	56	3319	19.699	ug/l	90
14) Allyl chloride	4.66	41	20274	4.400	ug/l	98
15) Acrylonitrile	5.37	53	16859	23.541	ug/l	95
16) Acetone	4.12	43	16625	24.177	ug/l	99
17) Carbon Disulfide	4.38	76	34052	4.446	ug/l	97
18) Methyl Acetate	4.67	43	16414	7.633	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	19704	5.140	ug/l	98
20) Methylene Chloride	4.92	84	17470	6.440	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	13361	5.089	ug/l	85
22) Diisopropyl ether	6.31	45	48923	4.937	ug/l	97
23) Vinyl Acetate	6.25	43	119795	19.534	ug/l	99
24) 1,1-Dichloroethane	6.21	63	25718	4.942	ug/l	97
25) 2-Butanone	7.17	43	25084	23.239	ug/l	94
26) 2,2-Dichloropropane	7.16	77	12804	4.734	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	14151	4.997	ug/l	99
28) Bromochloromethane	7.51	49	12865	5.437	ug/l	97
29) Tetrahydrofuran	7.52	42	17103	24.165	ug/l	98
30) Chloroform	7.67	83	25403	5.271	ug/l	95
31) Cyclohexane	7.95	56	30691	5.544	ug/l	# 76
32) 1,1,1-Trichloroethane	7.86	97	18078	4.931	ug/l	98
36) 1,1-Dichloropropene	8.08	75	20120	5.011	ug/l	98
37) Ethyl Acetate	7.25	43	11979	4.965	ug/l	99
38) Carbon Tetrachloride	8.07	117	16140	4.742	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	24235	4.980	ug/l	94
40) Benzene	8.32	78	56552	5.096	ug/l	98
41) Methacrylonitrile	7.49	41	6552	4.748	ug/l	96
42) 1,2-Dichloroethane	8.40	62	18432	5.120	ug/l	98
43) Isopropyl Acetate	8.42	43	21387	4.695	ug/l	96
44) Trichloroethene	9.09	130	13345	4.997	ug/l	94
45) 1,2-Dichloropropane	9.37	63	15319	5.098	ug/l	97
46) Dibromomethane	9.46	93	7066	5.006	ug/l	99
47) Bromodichloromethane	9.64	83	17201	4.762	ug/l	98
48) Methyl methacrylate	9.44	41	10037	4.580	ug/l	96
49) 1,4-Dioxane	9.45	88	2283	96.891	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	55789	23.447	ug/l	100
52) Toluene	10.38	92	34559	5.134	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	16850	4.383	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	20324	4.491	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	9838	4.913	ug/l	92
56) Ethyl methacrylate	10.65	69	14213	4.662	ug/l	97
57) 1,3-Dichloropropane	10.93	76	18725	4.945	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	33852	23.949	ug/l	99
59) 2-Hexanone	10.97	43	36573	22.164	ug/l	97
60) Dibromochloromethane	11.12	129	9858	4.489	ug/l	99
61) 1,2-Dibromoethane	11.24	107	9222	4.862	ug/l	100
64) Tetrachloroethene	10.86	164	11895	5.240	ug/l	97
65) Chlorobenzene	11.66	112	34845	5.094	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	11601	4.817	ug/l	98
67) Ethyl Benzene	11.73	91	64008	4.888	ug/l	96
68) m/p-Xylenes	11.84	106	46226	9.756	ug/l	100
69) o-Xylene	12.17	106	21815	4.885	ug/l	98
70) Styrene	12.18	104	36444	4.729	ug/l	100
71) Bromoform	12.35	173	5241	4.093	ug/l #	92
73) Isopropylbenzene	12.46	105	58563	4.724	ug/l	99
74) N-amyl acetate	12.27	43	18508	4.286	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	12227	4.811	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	8485m	4.427	ug/l	
77) Bromobenzene	12.75	156	13502	4.853	ug/l	98
78) n-propylbenzene	12.80	91	73365	4.804	ug/l	100
79) 2-Chlorotoluene	12.89	91	43114	4.906	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	50561	4.800	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3239	3.822	ug/l	87
82) 4-Chlorotoluene	12.99	91	45355	4.955	ug/l	99
83) tert-Butylbenzene	13.21	119	41547	4.730	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	51505	4.870	ug/l	97
85) sec-Butylbenzene	13.38	105	61397	4.844	ug/l	100
86) p-Isopropyltoluene	13.50	119	54162	4.764	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	27364	5.112	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	27272	5.059	ug/l	91
89) n-Butylbenzene	13.82	91	54587	4.813	ug/l	99
90) Hexachloroethane	14.10	117	9210	4.433	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	24155	4.974	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2234	4.956	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	16260	4.861	ug/l	97
94) Hexachlorobutadiene	15.24	225	10662	5.192	ug/l	98
95) Naphthalene	15.37	128	27753	4.330	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	14201	4.810	ug/l	98

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

