

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011165.D
 Acq On : 08 Jul 2019 17:13
 Operator : SY/VA
 Sample : K3591-01LOD2.5PPB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:20 PM

Quant Time: Jul 09 07:17:07 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	223227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	376142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161112	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	141661	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	7.88	113	107828	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	10.32	98	439369	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.62	95	159241	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	4093	2.458	ug/l	92
3) Chloromethane	2.21	50	6051	2.821	ug/l	92
4) Vinyl Chloride	2.35	62	7287	2.595	ug/l	95
5) Bromomethane	2.77	94	4328	3.068	ug/l	87
6) Chloroethane	2.92	64	3675	2.430	ug/l	92
7) Trichlorofluoromethane	3.25	101	2073	2.078	ug/l #	80
8) Diethyl Ether	3.68	74	3754	2.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	6822	2.855	ug/l	96
10) Methyl Iodide	4.26	142	8332	2.536	ug/l	100
11) Tert butyl alcohol	5.18	59	3050	14.687	ug/l	98
12) 1,1-Dichloroethene	4.04	96	6212	2.505	ug/l	87
13) Acrolein	3.89	56	2052	12.409	ug/l	94
14) Allyl chloride	4.66	41	10973	2.427	ug/l	95
15) Acrylonitrile	5.36	53	9296	13.225	ug/l	99
16) Acetone	4.12	43	11617	17.213	ug/l	96
17) Carbon Disulfide	4.37	76	17638	2.346	ug/l	98
18) Methyl Acetate	4.67	43	8325	3.944	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	10020	2.663	ug/l	99
20) Methylene Chloride	4.91	84	11129	4.180	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	6564	2.547	ug/l	90
22) Diisopropyl ether	6.31	45	25115	2.582	ug/l #	89
23) Vinyl Acetate	6.26	43	60687	10.082	ug/l	99
24) 1,1-Dichloroethane	6.21	63	13168	2.578	ug/l	99
25) 2-Butanone	7.17	43	13062	12.329	ug/l	99
26) 2,2-Dichloropropane	7.16	77	6603	2.487	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	7349	2.644	ug/l	97
28) Bromochloromethane	7.51	49	6854	2.951	ug/l	100
29) Tetrahydrofuran	7.53	42	9402	13.535	ug/l	100
30) Chloroform	7.67	83	13215	2.794	ug/l	99
31) Cyclohexane	7.95	56	18489	3.403	ug/l #	76
32) 1,1,1-Trichloroethane	7.87	97	9042	2.513	ug/l	98
36) 1,1-Dichloropropene	8.08	75	10138	2.531	ug/l	99
37) Ethyl Acetate	7.26	43	5919	2.459	ug/l #	96
38) Carbon Tetrachloride	8.07	117	8153	2.401	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	12669	2.610	ug/l	92
40) Benzene	8.32	78	29493	2.664	ug/l	98
41) Methacrylonitrile	7.48	41	3851	2.798	ug/l	94
42) 1,2-Dichloroethane	8.40	62	9730	2.710	ug/l	98
43) Isopropyl Acetate	8.43	43	11610	2.555	ug/l	99
44) Trichloroethene	9.09	130	6811	2.557	ug/l	99
45) 1,2-Dichloropropane	9.37	63	7714	2.573	ug/l	97
46) Dibromomethane	9.46	93	3561	2.529	ug/l	98
47) Bromodichloromethane	9.64	83	8948	2.483	ug/l	92
48) Methyl methacrylate	9.44	41	5107	2.336	ug/l	95
49) 1,4-Dioxane	9.45	88	1343	57.138	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	28728	12.104	ug/l	98
52) Toluene	10.38	92	17499	2.606	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	8619	2.247	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	10565	2.340	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	5139	2.572	ug/l	91
56) Ethyl methacrylate	10.65	69	7039	2.314	ug/l	98
57) 1,3-Dichloropropane	10.93	76	9833	2.603	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	17060	12.099	ug/l	98
59) 2-Hexanone	10.97	43	19286	11.717	ug/l	99
60) Dibromochloromethane	11.13	129	5036	2.299	ug/l	99
61) 1,2-Dibromoethane	11.23	107	4597	2.429	ug/l	99
64) Tetrachloroethene	10.86	164	6266	2.791	ug/l	96
65) Chlorobenzene	11.66	112	17763	2.626	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	5671	2.381	ug/l	98
67) Ethyl Benzene	11.73	91	32241	2.490	ug/l	98
68) m/p-Xylenes	11.84	106	23601	5.037	ug/l	99
69) o-Xylene	12.16	106	10983	2.487	ug/l	99
70) Styrene	12.18	104	18165	2.383	ug/l	98
71) Bromoform	12.35	173	2948	2.328	ug/l #	94
73) Isopropylbenzene	12.46	105	30460	2.529	ug/l	99
74) N-amyl acetate	12.27	43	9457	2.255	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	6377	2.583	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	4762m	2.558	ug/l	
77) Bromobenzene	12.75	156	7140	2.642	ug/l	97
78) n-propylbenzene	12.80	91	38155	2.572	ug/l	100
79) 2-Chlorotoluene	12.89	91	22476	2.633	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	25299	2.473	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	1688m	2.051	ug/l	
82) 4-Chlorotoluene	12.99	91	23184	2.607	ug/l	99
83) tert-Butylbenzene	13.21	119	21657	2.538	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	25875	2.519	ug/l	98
85) sec-Butylbenzene	13.38	105	31087	2.525	ug/l	97
86) p-Isopropyltoluene	13.50	119	27663	2.505	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	14185	2.728	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	14527	2.774	ug/l	87
89) n-Butylbenzene	13.83	91	28432	2.581	ug/l	100
90) Hexachloroethane	14.10	117	5001	2.478	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	12483	2.646	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1088	2.485	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	8545	2.630	ug/l	98
94) Hexachlorobutadiene	15.24	225	5820	2.917	ug/l	98
95) Naphthalene	15.37	128	14514	2.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	8020	2.797	ug/l	95

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

