

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013951.D
 Acq On : 08 Nov 2019 18:03
 Operator : SY/VA
 Sample : K5742-12MSD
 Misc : 5.83G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 12:58:58 PM

Quant Time: Nov 09 04:18:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	301198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	380826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	190073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	124123	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	
35) Dibromofluoromethane	7.88	113	130183	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
50) Toluene-d8	10.32	98	540601	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.62	95	181868	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	77718	48.978	ug/l	99
3) Chloromethane	2.21	50	83800	49.140	ug/l	97
4) Vinyl Chloride	2.37	62	133919	51.999	ug/l	99
5) Bromomethane	2.78	94	85382	50.409	ug/l	98
6) Chloroethane	2.92	64	84709	54.357	ug/l	96
7) Trichlorofluoromethane	3.26	101	88515	55.025	ug/l	94
8) Diethyl Ether	3.68	74	71713	55.179	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	127932	48.920	ug/l	98
10) Methyl Iodide	4.27	142	220074	51.643	ug/l	99
11) Tert butyl alcohol	5.16	59	46527	344.937	ug/l	99
12) 1,1-Dichloroethene	4.04	96	136918	50.686	ug/l	95
13) Acrolein	3.89	56	33425	216.296	ug/l	95
14) Allyl chloride	4.67	41	219468	52.837	ug/l	98
15) Acrylonitrile	5.36	53	148380	280.777	ug/l	98
16) Acetone	4.12	43	125884	262.762	ug/l	96
17) Carbon Disulfide	4.38	76	376371	48.515	ug/l	98
18) Methyl Acetate	4.67	43	93745	71.383	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	185899	57.348	ug/l	98
20) Methylene Chloride	4.92	84	151102	58.094	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	147212	50.634	ug/l	99
22) Diisopropyl ether	6.31	45	425202	56.119	ug/l	98
23) Vinyl Acetate	6.25	43	969948	220.627	ug/l	99
24) 1,1-Dichloroethane	6.21	63	250434	52.190	ug/l	99
25) 2-Butanone	7.16	43	188127	273.135	ug/l	92
26) 2,2-Dichloropropane	7.16	77	136831	49.313	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	160755	52.056	ug/l	98
28) Bromochloromethane	7.51	49	91719	53.551	ug/l #	100
29) Tetrahydrofuran	7.52	42	126151	295.838	ug/l	99
30) Chloroform	7.68	83	242514	51.125	ug/l	97
31) Cyclohexane	7.95	56	238311	47.456	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	193564	51.999	ug/l	99
36) 1,1-Dichloropropene	8.08	75	199557	48.118	ug/l	98
37) Ethyl Acetate	7.24	43	80875	50.943	ug/l	100
38) Carbon Tetrachloride	8.07	117	176508	47.263	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	259286	48.413	ug/l	98
40) Benzene	8.32	78	579429	49.369	ug/l	99
41) Methacrylonitrile	7.48	41	47446	47.926	ug/l	98
42) 1,2-Dichloroethane	8.40	62	146241	49.446	ug/l	99
43) Isopropyl Acetate	8.42	43	163764	53.891	ug/l	98
44) Trichloroethene	9.09	130	165503	49.228	ug/l	97
45) 1,2-Dichloropropane	9.37	63	142830	50.949	ug/l	99
46) Dibromomethane	9.46	93	67920	49.917	ug/l	99
47) Bromodichloromethane	9.64	83	173994	49.422	ug/l	96
48) Methyl methacrylate	9.43	41	78147	51.858	ug/l	93
49) 1,4-Dioxane	9.45	88	25329	1259.753	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	412053	272.876	ug/l	99
52) Toluene	10.38	92	380799	50.299	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	182670	51.254	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	222989	50.712	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	102981	50.784	ug/l	97
56) Ethyl methacrylate	10.65	69	133824	52.747	ug/l	98
57) 1,3-Dichloropropane	10.93	76	179662	51.629	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	327985	280.893	ug/l	100
59) 2-Hexanone	10.97	43	285431	274.186	ug/l	98
60) Dibromochloromethane	11.13	129	118260	49.118	ug/l	99
61) 1,2-Dibromoethane	11.23	107	96787	50.450	ug/l	100
64) Tetrachloroethene	10.86	164	138476	47.592	ug/l	99
65) Chlorobenzene	11.66	112	385295	49.235	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	138380	50.667	ug/l	98
67) Ethyl Benzene	11.73	91	706140	50.042	ug/l	100
68) m/p-Xylenes	11.84	106	549201	100.737	ug/l	98
69) o-Xylene	12.16	106	252559	50.399	ug/l	99
70) Styrene	12.18	104	434381	50.451	ug/l	98
71) Bromoform	12.35	173	71403	49.819	ug/l	96
73) Isopropylbenzene	12.46	105	707723	51.849	ug/l	100
74) N-amyl acetate	12.27	43	136974	51.875	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	116218	53.955	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	87131m	63.833	ug/l	
77) Bromobenzene	12.74	156	167166	51.266	ug/l	98
78) n-propylbenzene	12.80	91	806113	51.024	ug/l	100
79) 2-Chlorotoluene	12.89	91	455596	51.315	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	594608	51.604	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37840	52.390	ug/l	99
82) 4-Chlorotoluene	12.99	91	468807	50.296	ug/l	98
83) tert-Butylbenzene	13.21	119	525167	51.346	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	598619	52.665	ug/l	99
85) sec-Butylbenzene	13.38	105	712631	50.952	ug/l	98
86) p-Isopropyltoluene	13.50	119	662907	50.881	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	315630	49.959	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	312093	49.725	ug/l	99
89) n-Butylbenzene	13.82	91	593849	50.498	ug/l	100
90) Hexachloroethane	14.09	117	111247	49.125	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	279427	51.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17918	55.011	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	202772	50.863	ug/l	100
94) Hexachlorobutadiene	15.24	225	133778	49.707	ug/l	98
95) Naphthalene	15.36	128	365073	58.407	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	173748	50.579	ug/l	99

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

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