

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100419\
 Data File : VW013433.D
 Acq On : 04 Oct 2019 12:43
 Operator : SY/VA
 Sample : VW1004SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1004SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 11:48:13 AM

Quant Time: Nov 01 02:30:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	294712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	182950	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	114934	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.88	113	113340	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.32	98	477245	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.62	95	160710	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	20519	18.001	ug/l	95
3) Chloromethane	2.21	50	37990	20.196	ug/l	99
4) Vinyl Chloride	2.35	62	56098	21.014	ug/l	93
5) Bromomethane	2.78	94	30618	18.668	ug/l	96
6) Chloroethane	2.92	64	28893	18.743	ug/l	100
7) Trichlorofluoromethane	3.25	101	25627	22.127	ug/l	97
8) Diethyl Ether	3.68	74	26930	20.089	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50809	19.787	ug/l	97
10) Methyl Iodide	4.27	142	81833	19.734	ug/l	98
11) Tert butyl alcohol	5.21	59	22002m	107.574	ug/l	
12) 1,1-Dichloroethene	4.03	96	53882	19.861	ug/l	96
13) Acrolein	3.89	56	23679	112.502	ug/l	96
14) Allyl chloride	4.66	41	82503	20.557	ug/l	99
15) Acrylonitrile	5.37	53	67672	111.671	ug/l	98
16) Acetone	4.13	43	60424	89.583	ug/l	97
17) Carbon Disulfide	4.38	76	154426	20.404	ug/l	98
18) Methyl Acetate	4.67	43	34379	21.777	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	82570	20.679	ug/l	99
20) Methylene Chloride	4.91	84	57167	19.199	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	58266	20.167	ug/l	99
22) Diisopropyl ether	6.31	45	153593	19.817	ug/l	96
23) Vinyl Acetate	6.25	43	491400	105.663	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91987	19.486	ug/l	98
25) 2-Butanone	7.17	43	89012	103.133	ug/l	93
26) 2,2-Dichloropropane	7.16	77	59601	20.854	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59229	19.585	ug/l	98
28) Bromochloromethane	7.51	49	31431	18.415	ug/l	96
29) Tetrahydrofuran	7.53	42	57097	119.022	ug/l	98
30) Chloroform	7.67	83	87607	18.926	ug/l	99
31) Cyclohexane	7.95	56	100631	19.989	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	72366	19.955	ug/l	100
36) 1,1-Dichloropropene	8.09	75	79116	20.428	ug/l	99
37) Ethyl Acetate	7.25	43	39438	23.153	ug/l	98
38) Carbon Tetrachloride	8.07	117	68119	20.304	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102847	20.164	ug/l	99
40) Benzene	8.32	78	220220	20.087	ug/l	99
41) Methacrylonitrile	7.48	41	21492	20.854	ug/l	94
42) 1,2-Dichloroethane	8.40	62	57722	20.485	ug/l	99
43) Isopropyl Acetate	8.42	43	70822	22.014	ug/l	98
44) Trichloroethene	9.09	130	60683	19.655	ug/l	95
45) 1,2-Dichloropropane	9.37	63	53332	20.260	ug/l	95
46) Dibromomethane	9.46	93	26639	20.317	ug/l	95
47) Bromodichloromethane	9.65	83	64101	19.860	ug/l	96
48) Methyl methacrylate	9.43	41	34753	22.483	ug/l	95
49) 1,4-Dioxane	9.46	88	11300	549.474	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	188331	111.423	ug/l	99
52) Toluene	10.38	92	142614	20.167	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	67293	20.044	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	80537	19.785	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40734	20.826	ug/l	95
56) Ethyl methacrylate	10.65	69	54582	20.733	ug/l	98
57) 1,3-Dichloropropane	10.93	76	69403	20.411	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	131712	121.794	ug/l	98
59) 2-Hexanone	10.97	43	131899	112.585	ug/l	99
60) Dibromochloromethane	11.13	129	46243	20.666	ug/l	97
61) 1,2-Dibromoethane	11.24	107	39379	20.835	ug/l	99
64) Tetrachloroethene	10.86	164	54761	20.150	ug/l	96
65) Chlorobenzene	11.66	112	144681	19.769	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	50087	20.094	ug/l	99
67) Ethyl Benzene	11.73	91	261146	19.910	ug/l	100
68) m/p-Xylenes	11.84	106	207639	41.013	ug/l	97
69) o-Xylene	12.16	106	93592	19.994	ug/l	98
70) Styrene	12.18	104	160300	20.033	ug/l	99
71) Bromoform	12.35	173	28851	21.349	ug/l #	98
73) Isopropylbenzene	12.46	105	262285	19.599	ug/l	100
74) N-amyl acetate	12.27	43	61735	21.676	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47802	21.104	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32902m	20.235	ug/l	
77) Bromobenzene	12.75	156	61890	19.260	ug/l	98
78) n-propylbenzene	12.80	91	306763	19.928	ug/l	99
79) 2-Chlorotoluene	12.89	91	169443	19.818	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	221645	19.938	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16158	23.557	ug/l	97
82) 4-Chlorotoluene	12.99	91	179242	20.013	ug/l	100
83) tert-Butylbenzene	13.21	119	192768	19.853	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	216556	19.596	ug/l	100
85) sec-Butylbenzene	13.38	105	266905	19.937	ug/l	100
86) p-Isopropyltoluene	13.50	119	251754	20.291	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	118747	19.642	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	116447	19.238	ug/l	99
89) n-Butylbenzene	13.82	91	226306	20.232	ug/l	99
90) Hexachloroethane	14.09	117	40760	19.885	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	105259	19.696	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7538	22.249	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	74423	19.405	ug/l	99
94) Hexachlorobutadiene	15.24	225	51116	20.517	ug/l	97
95) Naphthalene	15.36	128	135089	20.880	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	64611	19.295	ug/l	99

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

