

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW013999.D
 Acq On : 13 Nov 2019 11:55
 Operator : SY/VA
 Sample : VW1113SBS02
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS02

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 10:50:07 AM

Quant Time: Nov 14 06:24:27 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	272731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	383565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171034	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	115573	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	7.88	113	113432	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
50) Toluene-d8	10.32	98	460536	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.62	95	156662	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33323	23.192	ug/l	100
3) Chloromethane	2.21	50	31333	20.291	ug/l	97
4) Vinyl Chloride	2.36	62	53073	22.759	ug/l	99
5) Bromomethane	2.76	94	33130	21.601	ug/l	99
6) Chloroethane	2.92	64	30801	21.828	ug/l	95
7) Trichlorofluoromethane	3.25	101	32461	22.286	ug/l	93
8) Diethyl Ether	3.68	74	25708	21.846	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	52932	22.354	ug/l	98
10) Methyl Iodide	4.27	142	79032	20.482	ug/l	100
11) Tert butyl alcohol	5.16	59	22275	182.377	ug/l	96
12) 1,1-Dichloroethene	4.04	96	51881	21.211	ug/l	98
13) Acrolein	3.89	56	13324	95.220	ug/l	99
14) Allyl chloride	4.67	41	78040	20.749	ug/l	99
15) Acrylonitrile	5.36	53	66849	139.701	ug/l	100
16) Acetone	4.12	43	60044	138.414	ug/l	99
17) Carbon Disulfide	4.38	76	151156	21.518	ug/l	99
18) Methyl Acetate	4.66	43	34891	29.341	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	66948	22.809	ug/l	98
20) Methylene Chloride	4.91	84	57596	21.417	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	54904	20.855	ug/l	96
22) Diisopropyl ether	6.31	45	144586	21.075	ug/l	97
23) Vinyl Acetate	6.25	43	464617	116.714	ug/l	98
24) 1,1-Dichloroethane	6.21	63	89637	20.630	ug/l	97
25) 2-Butanone	7.17	43	88293	141.570	ug/l	92
26) 2,2-Dichloropropane	7.16	77	54027	21.503	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	57153	20.439	ug/l	98
28) Bromochloromethane	7.51	49	25624	17.449	ug/l #	99
29) Tetrahydrofuran	7.52	42	58986	152.767	ug/l	98
30) Chloroform	7.68	83	90079	20.972	ug/l	97
31) Cyclohexane	7.95	56	94914	20.874	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	74318	22.049	ug/l	97
36) 1,1-Dichloropropene	8.08	75	76616	21.448	ug/l	98
37) Ethyl Acetate	7.24	43	38686	28.291	ug/l	98
38) Carbon Tetrachloride	8.07	117	70731	21.988	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97029	21.033	ug/l	98
40) Benzene	8.32	78	211643	20.936	ug/l	96
41) Methacrylonitrile	7.48	41	22878	26.830	ug/l	91
42) 1,2-Dichloroethane	8.40	62	56433	22.152	ug/l	100
43) Isopropyl Acetate	8.42	43	68346	26.112	ug/l	97
44) Trichloroethene	9.09	130	59344	20.493	ug/l	97
45) 1,2-Dichloropropane	9.37	63	50415	20.879	ug/l	100
46) Dibromomethane	9.46	93	27226	23.231	ug/l	97
47) Bromodichloromethane	9.64	83	63352	20.892	ug/l	97
48) Methyl methacrylate	9.43	41	33552	25.849	ug/l	100
49) 1,4-Dioxane	9.44	88	12059	696.315	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	182487	140.304	ug/l	100
52) Toluene	10.38	92	137097	21.024	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	66993	21.823	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	79765	21.060	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	39856	22.819	ug/l	98
56) Ethyl methacrylate	10.65	69	52793	24.159	ug/l	97
57) 1,3-Dichloropropane	10.93	76	67897	22.652	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	118315	117.640	ug/l	99
59) 2-Hexanone	10.97	43	126256	140.807	ug/l	100
60) Dibromochloromethane	11.13	129	45478	21.930	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39142	23.687	ug/l	100
64) Tetrachloroethene	10.86	164	52473	20.694	ug/l	97
65) Chlorobenzene	11.66	112	138107	20.251	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	49121	20.638	ug/l	98
67) Ethyl Benzene	11.73	91	255798	20.801	ug/l	96
68) m/p-Xylenes	11.84	106	196078	41.270	ug/l	98
69) o-Xylene	12.16	106	89909	20.588	ug/l	99
70) Styrene	12.18	104	153667	20.480	ug/l	99
71) Bromoform	12.35	173	29650	23.739	ug/l #	100
73) Isopropylbenzene	12.46	105	254831	20.747	ug/l	100
74) N-amyl acetate	12.27	43	60249	25.358	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47452	24.482	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	31707m	25.814	ug/l	
77) Bromobenzene	12.74	156	59940	20.429	ug/l	96
78) n-propylbenzene	12.80	91	290448	20.431	ug/l	100
79) 2-Chlorotoluene	12.89	91	161199	20.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	211245	20.374	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15709	24.171	ug/l	99
82) 4-Chlorotoluene	12.99	91	168856	20.132	ug/l	98
83) tert-Butylbenzene	13.21	119	187768	20.402	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	208332	20.369	ug/l	98
85) sec-Butylbenzene	13.38	105	258652	20.552	ug/l	99
86) p-Isopropyltoluene	13.50	119	237246	20.237	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	114351	20.115	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	113855	20.159	ug/l	98
89) n-Butylbenzene	13.82	91	212597	20.090	ug/l	98
90) Hexachloroethane	14.09	117	41065	20.152	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	104097	21.118	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8678	29.608	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	66947	18.662	ug/l	97
94) Hexachlorobutadiene	15.24	225	51115	21.107	ug/l	98
95) Naphthalene	15.36	128	113399	20.162	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	59432	19.227	ug/l	100

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

