

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013328.D
 Acq On : 30 Sep 2019 13:08
 Operator : SY/VA
 Sample : VW0930SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 11:33:25 AM

Quant Time: Sep 30 18:00:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	341550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	484719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	420412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	215416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	142516	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	7.88	113	145387	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
50) Toluene-d8	10.32	98	596939	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.62	95	205342	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35772	18.157	ug/l	100
3) Chloromethane	2.21	50	47567	18.782	ug/l	98
4) Vinyl Chloride	2.36	62	61932	18.968	ug/l	99
5) Bromomethane	2.77	94	39788	19.229	ug/l	93
6) Chloroethane	2.92	64	35665	18.531	ug/l	93
7) Trichlorofluoromethane	3.25	101	32948	17.500	ug/l	98
8) Diethyl Ether	3.68	74	32195	20.020	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59239	19.326	ug/l	98
10) Methyl Iodide	4.27	142	91847	19.327	ug/l	99
11) Tert butyl alcohol	5.18	59	26523	127.210	ug/l	97
12) 1,1-Dichloroethene	4.04	96	61352	19.329	ug/l	94
13) Acrolein	3.89	56	14117	87.975	ug/l	95
14) Allyl chloride	4.67	41	96142	19.032	ug/l	100
15) Acrylonitrile	5.37	53	69031	99.453	ug/l	99
16) Acetone	4.12	43	61541	97.898	ug/l	97
17) Carbon Disulfide	4.38	76	173689	18.932	ug/l	100
18) Methyl Acetate	4.67	43	33963	19.220	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	94838	19.495	ug/l	98
20) Methylene Chloride	4.92	84	73255	21.107	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	67150	19.574	ug/l	95
22) Diisopropyl ether	6.31	45	188927	19.668	ug/l	99
23) Vinyl Acetate	6.25	43	552373	96.928	ug/l	99
24) 1,1-Dichloroethane	6.22	63	113579	19.594	ug/l	100
25) 2-Butanone	7.17	43	91244	96.691	ug/l	98
26) 2,2-Dichloropropane	7.16	77	73815	19.233	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	72400	19.998	ug/l	99
28) Bromochloromethane	7.51	49	39228	17.633	ug/l #	98
29) Tetrahydrofuran	7.53	42	55524	95.943	ug/l	96
30) Chloroform	7.67	83	109512	19.297	ug/l	98
31) Cyclohexane	7.95	56	114208	18.901	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	90195	19.623	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92714	19.748	ug/l	100
37) Ethyl Acetate	7.25	43	41570	20.834	ug/l	96
38) Carbon Tetrachloride	8.07	117	82625	19.632	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	117765	19.519	ug/l	97
40) Benzene	8.32	78	261071	19.936	ug/l	99
41) Methacrylonitrile	7.48	41	25249	21.202	ug/l	95
42) 1,2-Dichloroethane	8.40	62	69154	19.644	ug/l	100
43) Isopropyl Acetate	8.42	43	74995	19.611	ug/l	98
44) Trichloroethene	9.09	130	73176	19.916	ug/l	97
45) 1,2-Dichloropropane	9.37	63	64429	20.152	ug/l	100
46) Dibromomethane	9.46	93	31486	20.285	ug/l	97
47) Bromodichloromethane	9.65	83	79185	20.049	ug/l	99
48) Methyl methacrylate	9.43	41	37328	20.758	ug/l	97
49) 1,4-Dioxane	9.45	88	10104	433.658	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	189854	99.029	ug/l	99
52) Toluene	10.38	92	169255	20.167	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	79897	19.690	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	99208	20.108	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45693	19.695	ug/l	96
56) Ethyl methacrylate	10.65	69	61427	20.231	ug/l	98
57) 1,3-Dichloropropane	10.93	76	79943	19.746	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	144724	102.960	ug/l	98
59) 2-Hexanone	10.97	43	130317	98.800	ug/l	100
60) Dibromochloromethane	11.13	129	53229	20.206	ug/l	99
61) 1,2-Dibromoethane	11.24	107	44212	20.043	ug/l	96
64) Tetrachloroethene	10.86	164	64542	20.234	ug/l	97
65) Chlorobenzene	11.66	112	176687	20.126	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	63121	21.046	ug/l	97
67) Ethyl Benzene	11.73	91	321170	20.191	ug/l	98
68) m/p-Xylenes	11.84	106	244684	40.367	ug/l	99
69) o-Xylene	12.16	106	114192	20.263	ug/l	98
70) Styrene	12.18	104	198513	20.518	ug/l	99
71) Bromoform	12.35	173	31671	19.988	ug/l #	96
73) Isopropylbenzene	12.46	105	318086	19.989	ug/l	99
74) N-amyl acetate	12.27	43	67424	19.094	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51448	19.332	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	42166m	22.165	ug/l	
77) Bromobenzene	12.74	156	75461	20.011	ug/l	100
78) n-propylbenzene	12.80	91	366902	19.698	ug/l	99
79) 2-Chlorotoluene	12.89	91	205888	19.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	265729	19.865	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17372	20.490	ug/l	98
82) 4-Chlorotoluene	12.99	91	218864	19.889	ug/l	99
83) tert-Butylbenzene	13.21	119	232977	19.844	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	265478	19.945	ug/l	99
85) sec-Butylbenzene	13.38	105	320832	19.821	ug/l	100
86) p-Isopropyltoluene	13.50	119	297375	19.807	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	146361	20.167	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	146145	20.533	ug/l	99
89) n-Butylbenzene	13.82	91	273335	19.939	ug/l	99
90) Hexachloroethane	14.09	117	51036	20.235	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	128918	20.533	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7962	19.560	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	92399	20.537	ug/l	99
94) Hexachlorobutadiene	15.24	225	61153	19.868	ug/l	99
95) Naphthalene	15.36	128	148158	20.135	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	80368	20.673	ug/l	99

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

