

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091819\
 Data File : VW013107.D
 Acq On : 18 Sep 2019 12:35
 Operator : SY/VA
 Sample : VW0918SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 11:22:14 AM

Quant Time: Sep 19 08:23:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	366214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	543228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	463311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	234050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140349	41.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.00%	
35) Dibromofluoromethane	7.88	113	135232	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
50) Toluene-d8	10.32	98	552488	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.62	95	188197	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32749	20.743	ug/l	96
3) Chloromethane	2.21	50	38878	19.057	ug/l	99
4) Vinyl Chloride	2.36	62	52102	19.877	ug/l	98
5) Bromomethane	2.77	94	32448	20.270	ug/l	98
6) Chloroethane	2.91	64	30800	19.158	ug/l	99
7) Trichlorofluoromethane	3.25	101	31834	17.367	ug/l	99
8) Diethyl Ether	3.68	74	30129	21.050	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57408	20.649	ug/l	99
10) Methyl Iodide	4.28	142	75380	21.665	ug/l	97
11) Tert butyl alcohol	5.18	59	23524	89.261	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	53887	21.318	ug/l	97
13) Acrolein	3.89	56	21220	80.350	ug/l	96
14) Allyl chloride	4.66	41	91321	19.030	ug/l	92
15) Acrylonitrile	5.37	53	72838	99.639	ug/l	98
16) Acetone	4.12	43	62694	71.465	ug/l	94
17) Carbon Disulfide	4.38	76	103437	20.533	ug/l	97
18) Methyl Acetate	4.67	43	38201	19.825	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	98888	19.818	ug/l	100
20) Methylene Chloride	4.92	84	61843	19.465	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	55502	20.500	ug/l	93
22) Diisopropyl ether	6.31	45	197234	19.784	ug/l	99
23) Vinyl Acetate	6.25	43	560369	93.848	ug/l	95
24) 1,1-Dichloroethane	6.21	63	112407	19.556	ug/l	97
25) 2-Butanone	7.17	43	98348	91.446	ug/l	94
26) 2,2-Dichloropropane	7.16	77	74163	17.513	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	67606	20.857	ug/l	93
28) Bromochloromethane	7.51	49	44314	18.317	ug/l	91
29) Tetrahydrofuran	7.53	42	58363	95.242	ug/l	97
30) Chloroform	7.67	83	112603	19.280	ug/l	96
31) Cyclohexane	7.95	56	97836	20.135	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	87072	18.103	ug/l	98
36) 1,1-Dichloropropene	8.08	75	83760	19.296	ug/l	97
37) Ethyl Acetate	7.25	43	40731	17.678	ug/l #	94
38) Carbon Tetrachloride	8.07	117	79594	17.893	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99289	20.874	ug/l	98
40) Benzene	8.32	78	246206	20.317	ug/l	100
41) Methacrylonitrile	7.48	41	24411	16.088	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	70182	17.277	ug/l	94
43) Isopropyl Acetate	8.42	43	78612	17.770	ug/l	97
44) Trichloroethene	9.09	130	68411	20.610	ug/l	87
45) 1,2-Dichloropropane	9.37	63	64494	20.031	ug/l	98
46) Dibromomethane	9.46	93	31060	20.136	ug/l	98
47) Bromodichloromethane	9.64	83	79706	18.422	ug/l	100
48) Methyl methacrylate	9.43	41	36723	17.687	ug/l	91
49) 1,4-Dioxane	9.46	88	9531	368.749	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	210586	92.202	ug/l	96
52) Toluene	10.38	92	157426	20.444	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	81215	18.664	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	95562	19.193	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	48359	20.579	ug/l	97
56) Ethyl methacrylate	10.65	69	61599	19.475	ug/l	93
57) 1,3-Dichloropropane	10.93	76	83598	20.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	169753	100.048	ug/l	98
59) 2-Hexanone	10.97	43	141756	89.135	ug/l	93
60) Dibromochloromethane	11.13	129	54330	19.124	ug/l	97
61) 1,2-Dibromoethane	11.23	107	42652	19.897	ug/l	96
64) Tetrachloroethene	10.86	164	55841	20.260	ug/l	94
65) Chlorobenzene	11.65	112	170039	20.604	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	62190	19.664	ug/l	99
67) Ethyl Benzene	11.73	91	309399	20.300	ug/l	96
68) m/p-Xylenes	11.84	106	231755	41.623	ug/l	96
69) o-Xylene	12.16	106	109434	20.964	ug/l	96
70) Styrene	12.18	104	190694	20.536	ug/l	97
71) Bromoform	12.35	173	31272	18.825	ug/l #	96
73) Isopropylbenzene	12.46	105	313277	20.194	ug/l	99
74) N-amyl acetate	12.27	43	71461	17.907	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	55730	20.453	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	42862m	20.907	ug/l	
77) Bromobenzene	12.74	156	73405	20.539	ug/l	94
78) n-propylbenzene	12.80	91	364390	19.968	ug/l	98
79) 2-Chlorotoluene	12.89	91	207988	19.827	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	261722	19.942	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17365	19.215	ug/l	92
82) 4-Chlorotoluene	12.99	91	216294	19.542	ug/l	96
83) tert-Butylbenzene	13.21	119	234657	19.989	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	263358	20.307	ug/l	96
85) sec-Butylbenzene	13.38	105	320958	20.067	ug/l	100
86) p-Isopropyltoluene	13.50	119	297193	20.239	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	141859	20.051	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	145032	20.860	ug/l	99
89) n-Butylbenzene	13.82	91	274024	19.787	ug/l	99
90) Hexachloroethane	14.09	117	50255	19.097	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	126505	20.333	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8807	17.658	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	88526	19.951	ug/l	98
94) Hexachlorobutadiene	15.24	225	59181	18.841	ug/l	97
95) Naphthalene	15.36	128	144913	19.546	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	76336	19.462	ug/l	99

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

