

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012962.D
 Acq On : 13 Sep 2019 19:40
 Operator : SY/VA
 Sample : VW0914SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:43:49 AM

Quant Time: Sep 14 04:46:47 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	288854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	428131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	186721	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	140172	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
35) Dibromofluoromethane	7.88	113	117254	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.32	98	469861	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.62	95	162280	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	27383	22.285	ug/l 96
3) Chloromethane	2.21	50	35700	23.069	ug/l 100
4) Vinyl Chloride	2.36	62	46874	22.672	ug/l 97
5) Bromomethane	2.76	94	26582	21.053	ug/l 93
6) Chloroethane	2.91	64	27414	21.619	ug/l 96
7) Trichlorofluoromethane	3.25	101	28281	19.561	ug/l 98
8) Diethyl Ether	3.68	74	24343	21.563	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43456	19.817	ug/l 99
10) Methyl Iodide	4.27	142	57679	21.018	ug/l 99
11) Tert butyl alcohol	5.19	59	22707m	114.479	ug/l
12) 1,1-Dichloroethene	4.04	96	42240	21.185	ug/l 95
13) Acrolein	3.89	56	20903	102.141	ug/l 93
14) Allyl chloride	4.66	41	82303	21.744	ug/l 98
15) Acrylonitrile	5.36	53	61920	107.389	ug/l 99
16) Acetone	4.13	43	58487	88.399	ug/l 96
17) Carbon Disulfide	4.37	76	89254	22.463	ug/l 100
18) Methyl Acetate	4.67	43	35464	23.333	ug/l 98
19) Methyl tert-butyl Ether	5.42	73	84886	21.568	ug/l 94
20) Methylene Chloride	4.92	84	50284	20.244	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	46578	21.812	ug/l 94
22) Diisopropyl ether	6.31	45	166970	21.234	ug/l 100
23) Vinyl Acetate	6.25	43	497492	105.631	ug/l 100
24) 1,1-Dichloroethane	6.21	63	92753	20.458	ug/l 98
25) 2-Butanone	7.17	43	87656	103.333	ug/l 95
26) 2,2-Dichloropropane	7.16	77	62199	18.922	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	54322	21.248	ug/l 98
28) Bromochloromethane	7.51	49	37218	19.504	ug/l 99
29) Tetrahydrofuran	7.52	42	54267	112.275	ug/l 99
30) Chloroform	7.68	83	95725	20.780	ug/l 95
31) Cyclohexane	7.95	56	78535	20.574	ug/l 95
32) 1,1,1-Trichloroethane	7.87	97	77571	20.447	ug/l 98
36) 1,1-Dichloropropene	8.08	75	68931	20.149	ug/l 99
37) Ethyl Acetate	7.25	43	38394	21.143	ug/l 98
38) Carbon Tetrachloride	8.07	117	70024	19.973	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76695	20.458	ug/l	99
40) Benzene	8.32	78	198926	20.829	ug/l	97
41) Methacrylonitrile	7.48	41	23519	19.667	ug/l	96
42) 1,2-Dichloroethane	8.40	62	66617	20.808	ug/l	98
43) Isopropyl Acetate	8.42	43	75007	21.513	ug/l	98
44) Trichloroethene	9.09	130	52474	20.059	ug/l	96
45) 1,2-Dichloropropane	9.37	63	51384	20.250	ug/l	96
46) Dibromomethane	9.46	93	25338	20.842	ug/l	99
47) Bromodichloromethane	9.64	83	69310	20.325	ug/l	97
48) Methyl methacrylate	9.43	41	34243	20.927	ug/l	97
49) 1,4-Dioxane	9.46	88	9160	449.669	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	190075	105.594	ug/l	100
52) Toluene	10.38	92	123127	20.288	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	69021	20.126	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	79707	20.313	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	38187	20.619	ug/l	98
56) Ethyl methacrylate	10.65	69	50974	20.448	ug/l	97
57) 1,3-Dichloropropane	10.93	76	67903	20.669	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	131359	98.233	ug/l	99
59) 2-Hexanone	10.97	43	129552	103.361	ug/l	98
60) Dibromochloromethane	11.12	129	44798	20.008	ug/l	97
61) 1,2-Dibromoethane	11.24	107	34996	20.714	ug/l	99
64) Tetrachloroethene	10.86	164	44430	20.206	ug/l	96
65) Chlorobenzene	11.66	112	131581	19.986	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	49612	19.664	ug/l	99
67) Ethyl Benzene	11.73	91	250790	20.626	ug/l	99
68) m/p-Xylenes	11.84	106	180770	40.697	ug/l	98
69) o-Xylene	12.16	106	86894	20.866	ug/l	97
70) Styrene	12.18	104	150913	20.372	ug/l	100
71) Bromoform	12.35	173	27019	20.388	ug/l	100
73) Isopropylbenzene	12.46	105	245643	19.848	ug/l	98
74) N-amyl acetate	12.27	43	64868	20.375	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	46035	21.178	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35915m	21.959	ug/l	
77) Bromobenzene	12.74	156	56834	19.933	ug/l	99
78) n-propylbenzene	12.80	91	288524	19.818	ug/l	100
79) 2-Chlorotoluene	12.89	91	167361	19.998	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	206265	19.700	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14342	19.892	ug/l	99
82) 4-Chlorotoluene	12.99	91	177542	20.106	ug/l	100
83) tert-Butylbenzene	13.21	119	182904	19.530	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	207797	20.084	ug/l	100
85) sec-Butylbenzene	13.38	105	250482	19.631	ug/l	100
86) p-Isopropyltoluene	13.50	119	231584	19.768	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	111271	19.714	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	111034	20.018	ug/l	98
89) n-Butylbenzene	13.82	91	216459	19.592	ug/l	99
90) Hexachloroethane	14.09	117	39910	19.010	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	100421	20.232	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7743	19.460	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69422	19.612	ug/l	99
94) Hexachlorobutadiene	15.23	225	47452	18.936	ug/l	98
95) Naphthalene	15.36	128	118863	20.096	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	61028	19.503	ug/l	99

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

