

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012161.D
 Acq On : 26 Aug 2019 10:21
 Operator : SY/VA
 Sample : VW0826SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:02 AM

Quant Time: Aug 26 16:33:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	374751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	180940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	166831	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
35) Dibromofluoromethane	7.88	113	135209	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	10.32	98	561271	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.62	95	194542	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	32131	18.941	ug/l 99
3) Chloromethane	2.21	50	48612	18.496	ug/l 100
4) Vinyl Chloride	2.36	62	60319	18.751	ug/l 98
5) Bromomethane	2.76	94	26611	16.334	ug/l 98
6) Chloroethane	2.90	64	33825	18.640	ug/l 98
7) Trichlorofluoromethane	3.24	101	28963	17.931	ug/l 97
8) Diethyl Ether	3.68	74	28687	18.711	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52336	19.062	ug/l 99
10) Methyl Iodide	4.26	142	68820	18.525	ug/l 100
11) Tert butyl alcohol	5.18	59	18351	93.107	ug/l 99
12) 1,1-Dichloroethene	4.04	96	52058	18.838	ug/l 98
13) Acrolein	3.89	56	17597	94.847	ug/l 96
14) Allyl chloride	4.66	41	113919	19.282	ug/l 99
15) Acrylonitrile	5.37	53	71775	94.448	ug/l 98
16) Acetone	4.12	43	72103	86.125	ug/l 98
17) Carbon Disulfide	4.37	76	144654	17.320	ug/l 99
18) Methyl Acetate	4.67	43	40217	19.395	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	84313	18.866	ug/l 93
20) Methylene Chloride	4.91	84	58266	18.410	ug/l 100
21) trans-1,2-Dichloroethene	5.42	96	57656	19.456	ug/l 97
22) Diisopropyl ether	6.31	45	218022	19.909	ug/l 99
23) Vinyl Acetate	6.25	43	635172	94.249	ug/l 99
24) 1,1-Dichloroethane	6.21	63	117814	19.759	ug/l 99
25) 2-Butanone	7.17	43	103032	90.566	ug/l 96
26) 2,2-Dichloropropane	7.16	77	67958	20.136	ug/l 99
27) cis-1,2-Dichloroethene	7.16	96	61941	19.564	ug/l 98
28) Bromochloromethane	7.51	49	54438	20.948	ug/l 100
29) Tetrahydrofuran	7.53	42	63078	92.417	ug/l 100
30) Chloroform	7.67	83	109738	20.117	ug/l 97
31) Cyclohexane	7.95	56	108850	18.452	ug/l 97
32) 1,1,1-Trichloroethane	7.87	97	86247	19.986	ug/l 99
36) 1,1-Dichloropropene	8.08	75	89407	19.841	ug/l 100
37) Ethyl Acetate	7.25	43	43839	17.754	ug/l 98
38) Carbon Tetrachloride	8.07	117	78852	20.218	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	94122	18.593	ug/l	99
40) Benzene	8.32	78	245002	19.912	ug/l	99
41) Methacrylonitrile	7.48	41	29889	20.595	ug/l	93
42) 1,2-Dichloroethane	8.40	62	77281	20.040	ug/l	100
43) Isopropyl Acetate	8.42	43	85388	18.669	ug/l	99
44) Trichloroethene	9.09	130	59524	19.900	ug/l	99
45) 1,2-Dichloropropane	9.37	63	65672	19.832	ug/l	99
46) Dibromomethane	9.46	93	28416	19.286	ug/l	100
47) Bromodichloromethane	9.64	83	77389	19.736	ug/l	99
48) Methyl methacrylate	9.43	41	39925	18.340	ug/l	96
49) 1,4-Dioxane	9.46	88	8475	375.739	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	215865	92.788	ug/l	100
52) Toluene	10.38	92	148327	20.067	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	78335	19.612	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	93909	19.472	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	41199	19.763	ug/l	98
56) Ethyl methacrylate	10.65	69	57230	18.863	ug/l	99
57) 1,3-Dichloropropane	10.93	76	77185	19.593	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	149667	96.119	ug/l	99
59) 2-Hexanone	10.97	43	150716	91.560	ug/l	100
60) Dibromochloromethane	11.13	129	45711	19.687	ug/l	99
61) 1,2-Dibromoethane	11.23	107	38224	19.682	ug/l	99
64) Tetrachloroethene	10.86	164	48745	20.063	ug/l	96
65) Chlorobenzene	11.66	112	147341	19.967	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	51823	20.131	ug/l	98
67) Ethyl Benzene	11.73	91	283880	19.971	ug/l	100
68) m/p-Xylenes	11.84	106	206571	40.343	ug/l	99
69) o-Xylene	12.16	106	95197	20.088	ug/l	100
70) Styrene	12.18	104	166526	20.301	ug/l	100
71) Bromoform	12.35	173	25002	19.493	ug/l #	99
73) Isopropylbenzene	12.46	105	267295	19.715	ug/l	98
74) N-amyl acetate	12.27	43	76346	18.638	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48385	19.466	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	40151m	22.784	ug/l	
77) Bromobenzene	12.74	156	58241	19.856	ug/l	99
78) n-propylbenzene	12.80	91	334045	20.182	ug/l	99
79) 2-Chlorotoluene	12.89	91	188356	20.044	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	230988	20.389	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15396	19.155	ug/l	99
82) 4-Chlorotoluene	12.99	91	197282	20.050	ug/l	99
83) tert-Butylbenzene	13.21	119	194572	20.275	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	231837	20.372	ug/l	100
85) sec-Butylbenzene	13.38	105	278908	20.286	ug/l	99
86) p-Isopropyltoluene	13.50	119	252167	20.537	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	115735	20.173	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	114721	20.139	ug/l	98
89) n-Butylbenzene	13.82	91	248055	20.315	ug/l	100
90) Hexachloroethane	14.09	117	44063	20.454	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	101896	20.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7771	18.545	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69943	20.110	ug/l	98
94) Hexachlorobutadiene	15.24	225	47697	20.769	ug/l	98
95) Naphthalene	15.36	128	112552	19.387	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	60230	19.848	ug/l	99

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

