

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012295.D
 Acq On : 29 Aug 2019 11:45
 Operator : SY/VA
 Sample : VW0829SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:41:22 AM

Quant Time: Aug 30 07:04:37 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	230529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138035	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	7.88	113	108700	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.32	98	447875	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.62	95	158597	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24480	17.246	ug/l	97
3) Chloromethane	2.21	50	40964	18.627	ug/l	98
4) Vinyl Chloride	2.36	62	49467	18.378	ug/l	95
5) Bromomethane	2.77	94	23595	17.309	ug/l	97
6) Chloroethane	2.92	64	28739	18.927	ug/l	94
7) Trichlorofluoromethane	3.26	101	26877	19.886	ug/l	100
8) Diethyl Ether	3.68	74	26845	20.925	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45203	19.676	ug/l	98
10) Methyl Iodide	4.27	142	61128	19.665	ug/l	98
11) Tert butyl alcohol	5.19	59	20368	123.504	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	44625	19.299	ug/l	98
13) Acrolein	3.90	56	15434	99.420	ug/l	99
14) Allyl chloride	4.67	41	99400	20.108	ug/l	99
15) Acrylonitrile	5.37	53	74081	116.502	ug/l	100
16) Acetone	4.13	43	72786	103.904	ug/l	95
17) Carbon Disulfide	4.39	76	115588	16.540	ug/l	100
18) Methyl Acetate	4.67	43	41958	24.183	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	84200	22.517	ug/l	96
20) Methylene Chloride	4.92	84	52552	19.844	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	48029	19.370	ug/l	98
22) Diisopropyl ether	6.31	45	194475	21.224	ug/l	96
23) Vinyl Acetate	6.26	43	607081	107.656	ug/l	100
24) 1,1-Dichloroethane	6.21	63	99885	20.021	ug/l	99
25) 2-Butanone	7.17	43	107004	112.409	ug/l	100
26) 2,2-Dichloropropane	7.17	77	57940	20.518	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	54702	20.648	ug/l	100
28) Bromochloromethane	7.51	49	45110	20.745	ug/l	98
29) Tetrahydrofuran	7.54	42	68895	120.634	ug/l	99
30) Chloroform	7.68	83	93719	20.532	ug/l	100
31) Cyclohexane	7.95	56	94463	19.137	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	74362	20.594	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75502	19.913	ug/l	100
37) Ethyl Acetate	7.25	43	47645	22.931	ug/l	99
38) Carbon Tetrachloride	8.07	117	64552	19.670	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82825	19.444	ug/l	100
40) Benzene	8.32	78	208785	20.166	ug/l	98
41) Methacrylonitrile	7.49	41	30046	24.604	ug/l	96
42) 1,2-Dichloroethane	8.40	62	68801	21.203	ug/l	99
43) Isopropyl Acetate	8.42	43	88463	22.985	ug/l	99
44) Trichloroethene	9.09	130	51570	20.490	ug/l	96
45) 1,2-Dichloropropane	9.37	63	57566	20.659	ug/l	93
46) Dibromomethane	9.46	93	25931	20.916	ug/l	98
47) Bromodichloromethane	9.65	83	66935	20.286	ug/l	98
48) Methyl methacrylate	9.43	41	40670	22.202	ug/l	95
49) 1,4-Dioxane	9.46	88	9111	480.047	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	229440	117.206	ug/l	99
52) Toluene	10.38	92	127343	20.474	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	70536	20.987	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	82698	20.378	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38001	21.664	ug/l	97
56) Ethyl methacrylate	10.65	69	57635	22.576	ug/l	99
57) 1,3-Dichloropropane	10.93	76	71838	21.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	147237	112.375	ug/l	99
59) 2-Hexanone	10.97	43	162821	117.551	ug/l	99
60) Dibromochloromethane	11.13	129	40767	20.866	ug/l	99
61) 1,2-Dibromoethane	11.23	107	35790	21.901	ug/l	100
64) Tetrachloroethene	10.86	164	41223	20.245	ug/l	99
65) Chlorobenzene	11.66	112	129140	20.881	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44909	20.815	ug/l	97
67) Ethyl Benzene	11.73	91	249374	20.932	ug/l	98
68) m/p-Xylenes	11.84	106	179478	41.824	ug/l	99
69) o-Xylene	12.16	106	83678	21.068	ug/l	100
70) Styrene	12.18	104	143934	20.937	ug/l	99
71) Bromoform	12.35	173	23156	21.542	ug/l #	99
73) Isopropylbenzene	12.46	105	237529	21.077	ug/l	99
74) N-amyl acetate	12.27	43	80097	23.525	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46598	22.554	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	33679m	22.993	ug/l	
77) Bromobenzene	12.75	156	51933	21.301	ug/l	98
78) n-propylbenzene	12.80	91	287884	20.925	ug/l	99
79) 2-Chlorotoluene	12.89	91	164270	21.031	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	198302	21.058	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14963	22.397	ug/l	97
82) 4-Chlorotoluene	12.99	91	170547	20.853	ug/l	99
83) tert-Butylbenzene	13.21	119	171354	21.482	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	199598	21.101	ug/l	100
85) sec-Butylbenzene	13.38	105	243980	21.349	ug/l	99
86) p-Isopropyltoluene	13.50	119	217929	21.353	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	100136	20.999	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	100381	21.200	ug/l	98
89) n-Butylbenzene	13.82	91	214992	21.183	ug/l	100
90) Hexachloroethane	14.09	117	36732	20.514	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	91394	21.847	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8203	23.552	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63585	21.994	ug/l	99
94) Hexachlorobutadiene	15.24	225	41191	21.578	ug/l	99
95) Naphthalene	15.37	128	124990	24.450	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57332	22.730	ug/l	99

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

