

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081719\
 Data File : VW011953.D
 Acq On : 16 Aug 2019 10:08
 Operator : SY/VA
 Sample : VW0817SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:55:15 AM

Quant Time: Aug 17 05:08:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	374784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135490	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	7.88	113	110380	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.32	98	446734	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.62	95	156549	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30386	22.818	ug/l	96
3) Chloromethane	2.21	50	48466	20.989	ug/l	99
4) Vinyl Chloride	2.36	62	61110	21.982	ug/l	93
5) Bromomethane	2.77	94	27435	17.829	ug/l	98
6) Chloroethane	2.91	64	32324	20.356	ug/l	93
7) Trichlorofluoromethane	3.25	101	29166	23.475	ug/l	100
8) Diethyl Ether	3.68	74	28175	20.001	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52062	22.090	ug/l	98
10) Methyl Iodide	4.27	142	68059	20.434	ug/l	100
11) Tert butyl alcohol	5.19	59	17576	74.268	ug/l	99
12) 1,1-Dichloroethene	4.03	96	51765	20.802	ug/l	99
13) Acrolein	3.89	56	13023	66.151	ug/l	94
14) Allyl chloride	4.67	41	110370	20.853	ug/l	99
15) Acrylonitrile	5.37	53	72549	103.172	ug/l	99
16) Acetone	4.13	43	75169	86.128	ug/l	98
17) Carbon Disulfide	4.38	76	151321	19.429	ug/l	99
18) Methyl Acetate	4.67	43	40117	20.461	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	82352	20.855	ug/l	98
20) Methylene Chloride	4.91	84	57519	19.110	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	55659	20.746	ug/l	97
22) Diisopropyl ether	6.31	45	205572	20.601	ug/l	98
23) Vinyl Acetate	6.25	43	642619	102.489	ug/l	99
24) 1,1-Dichloroethane	6.21	63	110473	20.672	ug/l	98
25) 2-Butanone	7.17	43	106672	93.406	ug/l	99
26) 2,2-Dichloropropane	7.17	77	62506	19.018	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	59107	20.018	ug/l	100
28) Bromochloromethane	7.51	49	49255	20.764	ug/l	99
29) Tetrahydrofuran	7.54	42	67365	103.195	ug/l	99
30) Chloroform	7.67	83	101034	20.492	ug/l	95
31) Cyclohexane	7.95	56	108118	21.076	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	80329	21.393	ug/l	99
36) 1,1-Dichloropropene	8.08	75	86126	22.100	ug/l	99
37) Ethyl Acetate	7.25	43	46361	20.678	ug/l	98
38) Carbon Tetrachloride	8.07	117	73763	22.110	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	96174	22.412	ug/l	100
40) Benzene	8.32	78	233176	21.361	ug/l	99
41) Methacrylonitrile	7.49	41	30509	22.764	ug/l	94
42) 1,2-Dichloroethane	8.40	62	72760	21.290	ug/l	100
43) Isopropyl Acetate	8.42	43	86784	21.047	ug/l	99
44) Trichloroethene	9.09	130	56438	21.512	ug/l	100
45) 1,2-Dichloropropane	9.37	63	61472	21.047	ug/l	99
46) Dibromomethane	9.46	93	28442	21.336	ug/l	100
47) Bromodichloromethane	9.64	83	73147	20.918	ug/l	98
48) Methyl methacrylate	9.43	41	41477	20.940	ug/l	99
49) 1,4-Dioxane	9.47	88	8047	416.897	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	226897	105.791	ug/l	100
52) Toluene	10.39	92	141777	21.507	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	75038	20.542	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	89961	20.713	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40125	21.214	ug/l	97
56) Ethyl methacrylate	10.65	69	57886	20.914	ug/l	100
57) 1,3-Dichloropropane	10.93	76	75638	21.137	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	152656	121.475	ug/l	100
59) 2-Hexanone	10.97	43	158481	104.653	ug/l	100
60) Dibromochloromethane	11.13	129	43863	20.892	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38451	21.482	ug/l	96
64) Tetrachloroethene	10.86	164	45419	21.531	ug/l	96
65) Chlorobenzene	11.66	112	139828	21.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48366	21.317	ug/l	99
67) Ethyl Benzene	11.73	91	272424	21.960	ug/l	100
68) m/p-Xylenes	11.84	106	195908	43.424	ug/l	99
69) o-Xylene	12.16	106	90035	21.476	ug/l	100
70) Styrene	12.18	104	155818	21.496	ug/l	100
71) Bromoform	12.35	173	24411	21.102	ug/l #	98
73) Isopropylbenzene	12.46	105	258558	21.904	ug/l	100
74) N-amyl acetate	12.27	43	79688	21.563	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47850	21.551	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	33825m	20.204	ug/l	
77) Bromobenzene	12.74	156	55403	21.235	ug/l	100
78) n-propylbenzene	12.80	91	314132	21.867	ug/l	99
79) 2-Chlorotoluene	12.89	91	176787	21.361	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	216885	21.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15507	21.346	ug/l	98
82) 4-Chlorotoluene	12.99	91	185140	21.322	ug/l	99
83) tert-Butylbenzene	13.21	119	182589	22.067	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	214518	21.522	ug/l	99
85) sec-Butylbenzene	13.38	105	260386	22.055	ug/l	100
86) p-Isopropyltoluene	13.50	119	232894	21.741	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	107963	21.104	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	105823	20.795	ug/l	98
89) n-Butylbenzene	13.82	91	233526	21.845	ug/l	99
90) Hexachloroethane	14.09	117	39699	20.958	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	95614	21.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7934	20.955	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	65883	20.661	ug/l	99
94) Hexachlorobutadiene	15.24	225	43255	21.751	ug/l	98
95) Naphthalene	15.37	128	114245	19.600	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57073	20.418	ug/l	99

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

