

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011819.D
 Acq On : 09 Aug 2019 19:08
 Operator : SY/VA
 Sample : VW0812SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:44:13 PM

Quant Time: Aug 11 01:41:34 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	214871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150678	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	129969	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
35) Dibromofluoromethane	7.88	113	103767	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
50) Toluene-d8	10.32	98	416327	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.62	95	149866	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	29267	24.440	ug/l	98
3) Chloromethane	2.21	50	44393	21.379	ug/l	99
4) Vinyl Chloride	2.36	62	54816	21.927	ug/l	100
5) Bromomethane	2.77	94	27099	19.584	ug/l	97
6) Chloroethane	2.92	64	30365	21.264	ug/l	99
7) Trichlorofluoromethane	3.25	101	26383	23.614	ug/l	100
8) Diethyl Ether	3.68	74	26855	21.200	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46988	22.170	ug/l	100
10) Methyl Iodide	4.27	142	65347	21.818	ug/l	99
11) Tert butyl alcohol	5.19	59	16081	75.897	ug/l	99
12) 1,1-Dichloroethene	4.04	96	47783	21.353	ug/l	98
13) Acrolein	3.90	56	13211	74.623	ug/l	98
14) Allyl chloride	4.67	41	103912	21.832	ug/l	98
15) Acrylonitrile	5.37	53	65663	103.838	ug/l	99
16) Acetone	4.13	43	59373	75.649	ug/l	96
17) Carbon Disulfide	4.39	76	147123	21.006	ug/l	99
18) Methyl Acetate	4.67	43	37846	21.465	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	77672	21.873	ug/l	98
20) Methylene Chloride	4.91	84	59112	21.838	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	53286	22.087	ug/l	94
22) Diisopropyl ether	6.31	45	199559	22.239	ug/l	99
23) Vinyl Acetate	6.25	43	596601	105.807	ug/l	99
24) 1,1-Dichloroethane	6.21	63	105579	21.969	ug/l	98
25) 2-Butanone	7.17	43	91378	88.976	ug/l	100
26) 2,2-Dichloropropane	7.17	77	56939	19.265	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	57402	21.618	ug/l	99
28) Bromochloromethane	7.51	49	47545	22.288	ug/l	100
29) Tetrahydrofuran	7.53	42	59343	101.089	ug/l	99
30) Chloroform	7.67	83	98289	22.168	ug/l	95
31) Cyclohexane	7.95	56	101683	22.041	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	75539	22.371	ug/l	98
36) 1,1-Dichloropropene	8.08	75	80338	22.078	ug/l	99
37) Ethyl Acetate	7.26	43	43376	20.720	ug/l	99
38) Carbon Tetrachloride	8.07	117	69563	22.331	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	87838	21.923	ug/l	99
40) Benzene	8.32	78	223157	21.895	ug/l	100
41) Methacrylonitrile	7.48	41	24404	19.501	ug/l	96
42) 1,2-Dichloroethane	8.40	62	71588	22.434	ug/l	99
43) Isopropyl Acetate	8.42	43	78802	20.468	ug/l	98
44) Trichloroethene	9.09	130	53096	21.674	ug/l	99
45) 1,2-Dichloropropane	9.37	63	59426	21.791	ug/l	97
46) Dibromomethane	9.46	93	27217	21.866	ug/l	99
47) Bromodichloromethane	9.65	83	70661	21.642	ug/l	96
48) Methyl methacrylate	9.44	41	38710	20.931	ug/l	100
49) 1,4-Dioxane	9.46	88	7339	407.209	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	205097	102.415	ug/l	99
52) Toluene	10.39	92	136449	22.168	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71319	20.910	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86983	21.449	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	38055	21.548	ug/l	98
56) Ethyl methacrylate	10.65	69	54063	20.920	ug/l	99
57) 1,3-Dichloropropane	10.93	76	73064	21.867	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	134706	114.801	ug/l	100
59) 2-Hexanone	10.97	43	137523	97.260	ug/l	99
60) Dibromochloromethane	11.13	129	42409	21.633	ug/l	98
61) 1,2-Dibromoethane	11.24	107	35508	21.246	ug/l	100
64) Tetrachloroethene	10.86	164	43057	21.550	ug/l	97
65) Chlorobenzene	11.66	112	135110	21.900	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	46827	21.790	ug/l	98
67) Ethyl Benzene	11.73	91	259208	22.060	ug/l	100
68) m/p-Xylenes	11.84	106	188991	44.228	ug/l	100
69) o-Xylene	12.16	106	86611	21.812	ug/l	97
70) Styrene	12.18	104	152122	22.157	ug/l	99
71) Bromoform	12.35	173	23034	21.022	ug/l #	96
73) Isopropylbenzene	12.46	105	242805	21.600	ug/l	99
74) N-amyl acetate	12.27	43	72010	20.462	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	45606	21.569	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	30834m	19.340	ug/l	
77) Bromobenzene	12.74	156	53677	21.604	ug/l	99
78) n-propylbenzene	12.80	91	300288	21.950	ug/l	99
79) 2-Chlorotoluene	12.89	91	172535	21.892	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	207153	21.984	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14075	20.346	ug/l	97
82) 4-Chlorotoluene	12.99	91	183450	22.185	ug/l	98
83) tert-Butylbenzene	13.21	119	173121	21.971	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	209529	22.074	ug/l	98
85) sec-Butylbenzene	13.38	105	249661	22.205	ug/l	99
86) p-Isopropyltoluene	13.50	119	220627	21.628	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	104727	21.497	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	103806	21.420	ug/l	99
89) n-Butylbenzene	13.82	91	219872	21.598	ug/l	99
90) Hexachloroethane	14.09	117	38721	21.466	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	91871	21.322	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7406	20.540	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	64820	21.345	ug/l	98
94) Hexachlorobutadiene	15.24	225	42146	22.255	ug/l	97
95) Naphthalene	15.36	128	111367	20.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	55779	20.955	ug/l	98

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

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