

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012132.D
 Acq On : 23 Aug 2019 14:47
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:39:26 AM

Quant Time: Aug 26 07:36:15 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	271286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	158069	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	7.88	113	128323	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.32	98	523384	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.62	95	182018	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	90671	54.281	ug/l	94
3) Chloromethane	2.21	50	129051	49.866	ug/l	100
4) Vinyl Chloride	2.36	62	162099	51.175	ug/l	98
5) Bromomethane	2.78	94	80652	50.276	ug/l	100
6) Chloroethane	2.92	64	92200	51.599	ug/l	99
7) Trichlorofluoromethane	3.26	101	84810	53.322	ug/l	100
8) Diethyl Ether	3.68	74	74072	49.064	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	135241	50.024	ug/l	98
10) Methyl Iodide	4.27	142	182479	49.885	ug/l	100
11) Tert butyl alcohol	5.18	59	47892	246.771	ug/l	100
12) 1,1-Dichloroethene	4.04	96	137632	50.579	ug/l	95
13) Acrolein	3.89	56	42184	230.909	ug/l	98
14) Allyl chloride	4.67	41	300383	51.636	ug/l	100
15) Acrylonitrile	5.37	53	182274	243.584	ug/l	99
16) Acetone	4.13	43	214726	260.476	ug/l	99
17) Carbon Disulfide	4.39	76	437815	53.238	ug/l	99
18) Methyl Acetate	4.67	43	95440	46.743	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	218490	49.651	ug/l	99
20) Methylene Chloride	4.91	84	143286	45.978	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	146379	50.164	ug/l	97
22) Diisopropyl ether	6.31	45	535969	49.705	ug/l	98
23) Vinyl Acetate	6.25	43	1692458	255.040	ug/l	100
24) 1,1-Dichloroethane	6.21	63	286648	48.823	ug/l	99
25) 2-Butanone	7.17	43	275340	245.793	ug/l	98
26) 2,2-Dichloropropane	7.17	77	168218	50.620	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	153617	49.274	ug/l	99
28) Bromochloromethane	7.51	49	123106	48.108	ug/l	98
29) Tetrahydrofuran	7.53	42	169725	252.538	ug/l	99
30) Chloroform	7.67	83	260028	48.409	ug/l	99
31) Cyclohexane	7.95	56	283390	48.787	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	212428	49.991	ug/l	100
36) 1,1-Dichloropropene	8.08	75	227770	51.372	ug/l	100
37) Ethyl Acetate	7.25	43	119673	49.256	ug/l	99
38) Carbon Tetrachloride	8.07	117	194594	50.709	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	259465	52.092	ug/l	99
40) Benzene	8.32	78	604385	49.922	ug/l	100
41) Methacrylonitrile	7.48	41	69597	48.739	ug/l	99
42) 1,2-Dichloroethane	8.40	62	182075	47.986	ug/l	99
43) Isopropyl Acetate	8.42	43	221850	49.296	ug/l	100
44) Trichloroethene	9.09	130	147288	50.046	ug/l	96
45) 1,2-Dichloropropane	9.37	63	158551	48.661	ug/l	100
46) Dibromomethane	9.46	93	71742	49.488	ug/l	97
47) Bromodichloromethane	9.65	83	190885	49.475	ug/l	99
48) Methyl methacrylate	9.43	41	106909	49.912	ug/l	99
49) 1,4-Dioxane	9.46	88	23000	1036.359	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	570036	249.028	ug/l	99
52) Toluene	10.39	92	364195	50.075	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	200389	50.988	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	237509	50.051	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	100496	48.996	ug/l	97
56) Ethyl methacrylate	10.65	69	151176	50.641	ug/l	99
57) 1,3-Dichloropropane	10.93	76	191847	49.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	419415	273.755	ug/l	99
59) 2-Hexanone	10.97	43	407038	251.313	ug/l	100
60) Dibromochloromethane	11.13	129	113450	49.659	ug/l	99
61) 1,2-Dibromoethane	11.24	107	94609	49.511	ug/l	100
64) Tetrachloroethene	10.86	164	119838	50.367	ug/l	99
65) Chlorobenzene	11.66	112	360944	49.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	126870	50.326	ug/l	99
67) Ethyl Benzene	11.73	91	709854	50.994	ug/l	98
68) m/p-Xylenes	11.84	106	507864	101.285	ug/l	100
69) o-Xylene	12.16	106	235941	50.840	ug/l	100
70) Styrene	12.18	104	407834	50.771	ug/l	99
71) Bromoform	12.35	173	61494	48.960	ug/l #	98
73) Isopropylbenzene	12.46	105	670465	50.934	ug/l	99
74) N-amyl acetate	12.27	43	203280	51.114	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	116420	48.242	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	83486m	48.796	ug/l	
77) Bromobenzene	12.75	156	140950	49.495	ug/l	99
78) n-propylbenzene	12.80	91	818778	50.951	ug/l	99
79) 2-Chlorotoluene	12.89	91	461172	50.548	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	561846	51.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40743	52.212	ug/l	98
82) 4-Chlorotoluene	12.99	91	474014	49.619	ug/l	100
83) tert-Butylbenzene	13.21	119	472764	50.741	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	555878	50.310	ug/l	99
85) sec-Butylbenzene	13.38	105	684754	51.297	ug/l	100
86) p-Isopropyltoluene	13.50	119	613026	51.423	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	274542	49.289	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	269351	48.701	ug/l	99
89) n-Butylbenzene	13.82	91	620327	52.327	ug/l	100
90) Hexachloroethane	14.10	117	106317	50.832	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	240684	49.256	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19474	47.867	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	176091	52.147	ug/l	99
94) Hexachlorobutadiene	15.24	225	114209	51.221	ug/l	98
95) Naphthalene	15.37	128	318162	48.187	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	152700	51.830	ug/l	100

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

