

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011977.D
 Acq On : 19 Aug 2019 08:48
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:56:22 AM

Quant Time: Aug 19 11:05:33 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	262043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	411279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165557	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147811	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.88	113	127822	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
50) Toluene-d8	10.32	98	521879	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	
62) 4-Bromofluorobenzene	12.62	95	181156	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	70128	48.020	ug/l	98
3) Chloromethane	2.21	50	119184	47.064	ug/l	98
4) Vinyl Chloride	2.36	62	158533	51.999	ug/l	99
5) Bromomethane	2.78	94	81928	48.548	ug/l	98
6) Chloroethane	2.92	64	91819	52.723	ug/l	99
7) Trichlorofluoromethane	3.25	101	85521	62.765	ug/l	99
8) Diethyl Ether	3.68	74	75292	48.737	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140728	54.446	ug/l	99
10) Methyl Iodide	4.27	142	191542	52.439	ug/l	99
11) Tert butyl alcohol	5.15	59	49077	218.778	ug/l	99
12) 1,1-Dichloroethene	4.04	96	144173	52.829	ug/l	99
13) Acrolein	3.89	56	39277	181.919	ug/l	97
14) Allyl chloride	4.67	41	309287	53.284	ug/l	99
15) Acrylonitrile	5.36	53	190756	247.355	ug/l	98
16) Acetone	4.11	43	273661	285.912	ug/l	97
17) Carbon Disulfide	4.38	76	432317	50.613	ug/l	100
18) Methyl Acetate	4.67	43	96387	44.826	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	218566	50.469	ug/l	96
20) Methylene Chloride	4.92	84	148777	45.070	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	153752	52.257	ug/l	98
22) Diisopropyl ether	6.31	45	549349	50.199	ug/l	98
23) Vinyl Acetate	6.25	43	1718239	249.874	ug/l	99
24) 1,1-Dichloroethane	6.21	63	304903	52.022	ug/l	99
25) 2-Butanone	7.17	43	318762	254.509	ug/l	97
26) 2,2-Dichloropropane	7.17	77	181913	50.469	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	165505	51.110	ug/l	99
28) Bromochloromethane	7.51	49	130976	50.347	ug/l	98
29) Tetrahydrofuran	7.52	42	167292	233.675	ug/l	98
30) Chloroform	7.67	83	271242	50.163	ug/l	98
31) Cyclohexane	7.96	56	289025	51.373	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	224666	54.558	ug/l	99
36) 1,1-Dichloropropene	8.08	75	235735	55.123	ug/l	99
37) Ethyl Acetate	7.24	43	116746	47.450	ug/l	98
38) Carbon Tetrachloride	8.07	117	203620	55.618	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	269433	57.217	ug/l	99
40) Benzene	8.32	78	636394	53.126	ug/l	100
41) Methacrylonitrile	7.48	41	74833	50.880	ug/l	97
42) 1,2-Dichloroethane	8.40	62	186010	49.597	ug/l	98
43) Isopropyl Acetate	8.42	43	223297	49.349	ug/l	99
44) Trichloroethene	9.09	130	158965	55.214	ug/l	99
45) 1,2-Dichloropropane	9.37	63	168331	52.519	ug/l	99
46) Dibromomethane	9.46	93	73966	50.562	ug/l	98
47) Bromodichloromethane	9.65	83	201605	52.538	ug/l	99
48) Methyl methacrylate	9.43	41	108123	49.744	ug/l	96
49) 1,4-Dioxane	9.45	88	21043	993.453	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	576829	245.082	ug/l	99
52) Toluene	10.39	92	389648	53.863	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	210013	52.392	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	253900	53.272	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	105660	50.905	ug/l	98
56) Ethyl methacrylate	10.65	69	156797	51.624	ug/l	98
57) 1,3-Dichloropropane	10.93	76	199493	50.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	404933	293.631	ug/l	99
59) 2-Hexanone	10.97	43	467492	281.316	ug/l	99
60) Dibromochloromethane	11.13	129	121490	52.731	ug/l	99
61) 1,2-Dibromoethane	11.24	107	99285	50.546	ug/l	99
64) Tetrachloroethene	10.86	164	127945	56.627	ug/l	97
65) Chlorobenzene	11.66	112	381299	54.654	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	134535	55.362	ug/l	100
67) Ethyl Benzene	11.73	91	754782	56.805	ug/l	100
68) m/p-Xylenes	11.84	106	544599	112.703	ug/l	99
69) o-Xylene	12.16	106	251725	56.059	ug/l	100
70) Styrene	12.18	104	433940	55.893	ug/l	99
71) Bromoform	12.35	173	68916	55.621	ug/l #	98
73) Isopropylbenzene	12.46	105	717319	58.078	ug/l	99
74) N-amyl acetate	12.27	43	206896	53.506	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	122327	52.654	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	85772m	48.963	ug/l	
77) Bromobenzene	12.75	156	151210	55.390	ug/l	98
78) n-propylbenzene	12.80	91	873477	58.111	ug/l	100
79) 2-Chlorotoluene	12.89	91	485488	56.064	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	598638	57.822	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44060	57.966	ug/l	96
82) 4-Chlorotoluene	12.99	91	506712	55.771	ug/l	100
83) tert-Butylbenzene	13.21	119	513489	59.309	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	587775	56.358	ug/l	100
85) sec-Butylbenzene	13.38	105	731289	59.197	ug/l	100
86) p-Isopropyltoluene	13.50	119	656460	58.568	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	293331	54.799	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	290349	54.528	ug/l	100
89) n-Butylbenzene	13.82	91	660351	59.036	ug/l	99
90) Hexachloroethane	14.10	117	116361	58.709	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	255987	54.071	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20531	51.824	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	187582	56.220	ug/l	99
94) Hexachlorobutadiene	15.24	225	123185	59.202	ug/l	98
95) Naphthalene	15.37	128	330902	50.603	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	160885	55.009	ug/l	99

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

