

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011816.D
 Acq On : 09 Aug 2019 16:50
 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
 8/13/2019 2:43:55 PM

Quant Time: Aug 11 01:35:26 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	226797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137210	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	7.88	113	109782	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
50) Toluene-d8	10.32	98	442667	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.62	95	156309	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	68317	54.049	ug/l	96
3) Chloromethane	2.21	50	106291	48.496	ug/l	98
4) Vinyl Chloride	2.36	62	137493	52.106	ug/l	98
5) Bromomethane	2.78	94	72303	49.503	ug/l	99
6) Chloroethane	2.92	64	78490	52.074	ug/l	99
7) Trichlorofluoromethane	3.26	101	72102	61.141	ug/l	98
8) Diethyl Ether	3.68	74	67279	50.318	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	122752	54.872	ug/l	98
10) Methyl Iodide	4.27	142	164411	52.006	ug/l	98
11) Tert butyl alcohol	5.15	59	44431	229.732	ug/l	98
12) 1,1-Dichloroethene	4.04	96	126281	53.464	ug/l	95
13) Acrolein	3.89	56	44756	239.512	ug/l	99
14) Allyl chloride	4.67	41	273849	54.511	ug/l	98
15) Acrylonitrile	5.36	53	170240	255.058	ug/l	100
16) Acetone	4.12	43	200635	242.193	ug/l	98
17) Carbon Disulfide	4.38	76	384553	52.018	ug/l	99
18) Methyl Acetate	4.67	43	94050	50.537	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	194103	51.786	ug/l	96
20) Methylene Chloride	4.92	84	139957	48.987	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	134499	52.817	ug/l	99
22) Diisopropyl ether	6.31	45	496701	52.441	ug/l	99
23) Vinyl Acetate	6.25	43	1560651	262.227	ug/l	99
24) 1,1-Dichloroethane	6.21	63	271138	53.451	ug/l	99
25) 2-Butanone	7.16	43	259899	239.760	ug/l	98
26) 2,2-Dichloropropane	7.16	77	153362	49.160	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	144639	51.608	ug/l	99
28) Bromochloromethane	7.51	49	124070	55.104	ug/l	98
29) Tetrahydrofuran	7.52	42	157875	254.792	ug/l	99
30) Chloroform	7.67	83	244308	52.204	ug/l	98
31) Cyclohexane	7.96	56	252828	51.923	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	195844	54.950	ug/l	99
36) 1,1-Dichloropropene	8.08	75	206513	55.420	ug/l	99
37) Ethyl Acetate	7.25	43	110353	51.474	ug/l	98
38) Carbon Tetrachloride	8.07	117	181597	56.927	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	228695	55.737	ug/l	97
40) Benzene	8.32	78	560394	53.690	ug/l	99
41) Methacrylonitrile	7.48	41	69033	53.867	ug/l	94
42) 1,2-Dichloroethane	8.40	62	175577	53.728	ug/l	100
43) Isopropyl Acetate	8.42	43	209164	53.051	ug/l	99
44) Trichloroethene	9.09	130	136046	54.230	ug/l	97
45) 1,2-Dichloropropane	9.37	63	149914	53.679	ug/l	100
46) Dibromomethane	9.46	93	67947	53.306	ug/l	98
47) Bromodichloromethane	9.65	83	181662	54.331	ug/l	100
48) Methyl methacrylate	9.43	41	100570	53.101	ug/l	98
49) 1,4-Dioxane	9.45	88	18953	1026.906	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	540285	263.451	ug/l	100
52) Toluene	10.39	92	339237	53.819	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	188544	53.981	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	224327	54.017	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	95259	52.671	ug/l	98
56) Ethyl methacrylate	10.65	69	141550	53.486	ug/l	98
57) 1,3-Dichloropropane	10.93	76	179828	52.556	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	350813	291.950	ug/l	100
59) 2-Hexanone	10.97	43	385247	266.055	ug/l	100
60) Dibromochloromethane	11.13	129	107448	53.522	ug/l	100
61) 1,2-Dibromoethane	11.24	107	88018	51.427	ug/l	98
64) Tetrachloroethene	10.86	164	109418	53.713	ug/l	97
65) Chlorobenzene	11.66	112	336912	53.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	120357	54.934	ug/l	99
67) Ethyl Benzene	11.73	91	664360	55.458	ug/l	99
68) m/p-Xylenes	11.84	106	475246	109.086	ug/l	99
69) o-Xylene	12.16	106	221970	54.829	ug/l	99
70) Styrene	12.18	104	385628	55.092	ug/l	100
71) Bromoform	12.35	173	60574	54.225	ug/l #	99
73) Isopropylbenzene	12.46	105	622123	54.604	ug/l	99
74) N-amyl acetate	12.27	43	193369	54.210	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	111703	52.122	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	79708m	49.325	ug/l	
77) Bromobenzene	12.75	156	134229	53.302	ug/l	99
78) n-propylbenzene	12.80	91	762466	54.989	ug/l	99
79) 2-Chlorotoluene	12.89	91	431513	54.019	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	525040	54.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38617	55.074	ug/l	97
82) 4-Chlorotoluene	12.99	91	446675	53.295	ug/l	100
83) tert-Butylbenzene	13.21	119	441676	55.302	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	522484	54.308	ug/l	99
85) sec-Butylbenzene	13.38	105	629722	55.259	ug/l	100
86) p-Isopropyltoluene	13.50	119	569147	55.045	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	260683	52.793	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	258401	52.606	ug/l	100
89) n-Butylbenzene	13.82	91	570483	55.288	ug/l	100
90) Hexachloroethane	14.10	117	99475	54.407	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	229315	52.508	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19438	53.189	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	161226	52.381	ug/l	99
94) Hexachlorobutadiene	15.24	225	104291	54.334	ug/l	98
95) Naphthalene	15.37	128	295449	49.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	141150	52.317	ug/l	100

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

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