

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012559.D
 Acq On : 03 Sep 2019 21:30
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 9:34:30 AM

Quant Time: Sep 04 07:19:51 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	215600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147326	57.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.96%	
35) Dibromofluoromethane	7.88	113	114637	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
50) Toluene-d8	10.32	98	439722	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.62	95	158793	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	65851	49.604	ug/l	97
3) Chloromethane	2.21	50	99206	48.235	ug/l	99
4) Vinyl Chloride	2.36	62	112900	44.849	ug/l	99
5) Bromomethane	2.77	94	62367	48.919	ug/l	100
6) Chloroethane	2.92	64	66411	46.766	ug/l	95
7) Trichlorofluoromethane	3.25	101	72270	57.174	ug/l	99
8) Diethyl Ether	3.68	74	69273	57.737	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	114123	53.115	ug/l	97
10) Methyl Iodide	4.27	142	161662	55.609	ug/l	98
11) Tert butyl alcohol	5.19	59	48899	317.037	ug/l	100
12) 1,1-Dichloroethene	4.03	96	113370	52.424	ug/l	100
13) Acrolein	3.89	56	53605	369.214	ug/l	99
14) Allyl chloride	4.67	41	251079	54.308	ug/l	98
15) Acrylonitrile	5.37	53	178548	300.233	ug/l	100
16) Acetone	4.13	43	170385	260.072	ug/l	99
17) Carbon Disulfide	4.38	76	317968	48.651	ug/l	100
18) Methyl Acetate	4.67	43	97938	60.356	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	224447	64.179	ug/l	98
20) Methylene Chloride	4.92	84	131579	53.126	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	125254	54.011	ug/l	96
22) Diisopropyl ether	6.31	45	490104	57.191	ug/l	99
23) Vinyl Acetate	6.25	43	1595288	302.488	ug/l	100
24) 1,1-Dichloroethane	6.21	63	261488	56.041	ug/l	99
25) 2-Butanone	7.17	43	253080	284.274	ug/l	98
26) 2,2-Dichloropropane	7.16	77	145785	55.200	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	141624	57.160	ug/l	100
28) Bromochloromethane	7.51	49	110364	54.268	ug/l	96
29) Tetrahydrofuran	7.53	42	164502	307.985	ug/l	99
30) Chloroform	7.67	83	246734	57.798	ug/l	98
31) Cyclohexane	7.95	56	219612	47.572	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	195735	57.960	ug/l	99
36) 1,1-Dichloropropene	8.08	75	195493	54.721	ug/l	99
37) Ethyl Acetate	7.25	43	117326	59.930	ug/l	100
38) Carbon Tetrachloride	8.07	117	178392	57.692	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	209371	52.167	ug/l	97
40) Benzene	8.32	78	536339	54.980	ug/l	99
41) Methacrylonitrile	7.48	41	70387	61.173	ug/l	98
42) 1,2-Dichloroethane	8.40	62	186641	61.047	ug/l	99
43) Isopropyl Acetate	8.42	43	220635	60.843	ug/l	99
44) Trichloroethene	9.09	130	132513	55.879	ug/l	95
45) 1,2-Dichloropropane	9.37	63	145739	55.511	ug/l	99
46) Dibromomethane	9.46	93	70190	60.088	ug/l	98
47) Bromodichloromethane	9.64	83	187765	60.397	ug/l	100
48) Methyl methacrylate	9.43	41	106286	61.582	ug/l	95
49) 1,4-Dioxane	9.46	88	21929	1226.282	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	574665	311.566	ug/l	99
52) Toluene	10.38	92	329292	56.190	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192757	60.869	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	222685	58.238	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	98866	59.820	ug/l	98
56) Ethyl methacrylate	10.65	69	148407	61.697	ug/l	100
57) 1,3-Dichloropropane	10.93	76	186507	59.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	367875	297.994	ug/l	99
59) 2-Hexanone	10.97	43	390343	299.099	ug/l	100
60) Dibromochloromethane	11.13	129	113965	61.909	ug/l	100
61) 1,2-Dibromoethane	11.23	107	93787	60.911	ug/l	99
64) Tetrachloroethene	10.86	164	112734	57.909	ug/l	98
65) Chlorobenzene	11.66	112	333151	56.346	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	123586	59.916	ug/l	98
67) Ethyl Benzene	11.73	91	641737	56.344	ug/l	100
68) m/p-Xylenes	11.83	106	461192	112.413	ug/l	99
69) o-Xylene	12.16	106	219034	57.684	ug/l	98
70) Styrene	12.18	104	387879	59.015	ug/l	99
71) Bromoform	12.35	173	66431	64.642	ug/l	99
73) Isopropylbenzene	12.46	105	610539	54.837	ug/l	99
74) N-amyl acetate	12.27	43	201492	59.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	117744	57.685	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	81358m	56.221	ug/l	
77) Bromobenzene	12.74	156	138077	57.325	ug/l	97
78) n-propylbenzene	12.80	91	737420	54.254	ug/l	98
79) 2-Chlorotoluene	12.89	91	423713	54.908	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	522763	56.191	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	38659	58.572	ug/l	97
82) 4-Chlorotoluene	12.99	91	444361	54.995	ug/l	100
83) tert-Butylbenzene	13.21	119	443198	56.238	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	519777	55.618	ug/l	99
85) sec-Butylbenzene	13.38	105	618853	54.812	ug/l	100
86) p-Isopropyltoluene	13.50	119	563703	55.906	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	261683	55.544	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	263339	56.294	ug/l	99
89) n-Butylbenzene	13.82	91	542992	54.153	ug/l	99
90) Hexachloroethane	14.09	117	99114	56.027	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	235140	56.893	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21265	61.798	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	165352	57.893	ug/l	99
94) Hexachlorobutadiene	15.24	225	108477	57.519	ug/l	98
95) Naphthalene	15.36	128	320279	56.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	148594	59.630	ug/l	99

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

