

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013054.D
 Acq On : 16 Sep 2019 20:42
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:01:07 PM

Quant Time: Sep 17 08:02:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	271493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	178494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133365	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
35) Dibromofluoromethane	7.88	113	109789	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.32	98	430205	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.62	95	152730	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	48434	46.275	ug/l	97
3) Chloromethane	2.21	50	63047	48.071	ug/l	99
4) Vinyl Chloride	2.36	62	85502	43.999	ug/l	97
5) Bromomethane	2.76	94	48365	40.755	ug/l	94
6) Chloroethane	2.91	64	53844	45.177	ug/l	92
7) Trichlorofluoromethane	3.25	101	54399	40.032	ug/l	93
8) Diethyl Ether	3.68	74	57414	54.109	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	99566	48.308	ug/l	98
10) Methyl Iodide	4.27	142	123705	47.959	ug/l	98
11) Tert butyl alcohol	5.19	59	63687	388.094	ug/l	99
12) 1,1-Dichloroethene	4.04	96	88477	47.213	ug/l	98
13) Acrolein	3.89	56	62730	341.939	ug/l	100
14) Allyl chloride	4.66	41	176436	49.593	ug/l	96
15) Acrylonitrile	5.36	53	185408	342.117	ug/l	99
16) Acetone	4.12	43	166650	311.070	ug/l	99
17) Carbon Disulfide	4.38	76	158862	42.538	ug/l	99
18) Methyl Acetate	4.67	43	96798	67.760	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	214706	58.041	ug/l	95
20) Methylene Chloride	4.92	84	107257	53.289	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	94862	47.263	ug/l	93
22) Diisopropyl ether	6.31	45	418158	56.578	ug/l	99
23) Vinyl Acetate	6.25	43	1383973	312.646	ug/l	98
24) 1,1-Dichloroethane	6.21	63	218596	51.298	ug/l	99
25) 2-Butanone	7.17	43	266800	334.628	ug/l	100
26) 2,2-Dichloropropane	7.16	77	125302	45.985	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	119011	49.527	ug/l	98
28) Bromochloromethane	7.51	49	105840	59.011	ug/l	97
29) Tetrahydrofuran	7.53	42	174291	383.656	ug/l	98
30) Chloroform	7.67	83	211506	48.849	ug/l	97
31) Cyclohexane	7.95	56	174145	54.853	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	171805	48.183	ug/l	98
36) 1,1-Dichloropropene	8.08	75	154054	47.438	ug/l	98
37) Ethyl Acetate	7.25	43	113128	65.630	ug/l	99
38) Carbon Tetrachloride	8.07	117	152920	45.950	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	172986	48.611	ug/l	97
40) Benzene	8.32	78	443207	48.887	ug/l	100
41) Methacrylonitrile	7.48	41	72948	64.264	ug/l	95
42) 1,2-Dichloroethane	8.40	62	146942	48.351	ug/l	98
43) Isopropyl Acetate	8.42	43	210846	63.707	ug/l	97
44) Trichloroethene	9.09	130	114356	46.051	ug/l	93
45) 1,2-Dichloropropane	9.37	63	123415	51.238	ug/l	99
46) Dibromomethane	9.46	93	62311	53.996	ug/l	99
47) Bromodichloromethane	9.64	83	161384	49.857	ug/l	100
48) Methyl methacrylate	9.43	41	100866	64.938	ug/l	96
49) 1,4-Dioxane	9.46	88	27415	1417.779	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	569103	333.066	ug/l	100
52) Toluene	10.38	92	283879	49.277	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	173120	53.178	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	192935	51.797	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	97371	55.388	ug/l	98
56) Ethyl methacrylate	10.65	69	150305	63.519	ug/l	98
57) 1,3-Dichloropropane	10.93	76	171272	54.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	409787	322.832	ug/l	99
59) 2-Hexanone	10.96	43	388617	326.632	ug/l	100
60) Dibromochloromethane	11.13	129	109361	51.455	ug/l	98
61) 1,2-Dibromoethane	11.23	107	90574	56.478	ug/l	98
64) Tetrachloroethene	10.86	164	104598	49.151	ug/l	95
65) Chlorobenzene	11.66	112	311162	48.835	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	120013	49.150	ug/l	98
67) Ethyl Benzene	11.73	91	576062	48.952	ug/l	98
68) m/p-Xylenes	11.84	106	422312	98.236	ug/l	100
69) o-Xylene	12.16	106	189227	46.950	ug/l	100
70) Styrene	12.18	104	337179	47.029	ug/l	99
71) Bromoform	12.35	173	67693	52.779	ug/l #	98
73) Isopropylbenzene	12.46	105	565662	47.812	ug/l	99
74) N-amyl acetate	12.27	43	185168	60.842	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123976	59.662	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	99020m	63.334	ug/l	
77) Bromobenzene	12.74	156	132582	48.644	ug/l	98
78) n-propylbenzene	12.80	91	666747	47.909	ug/l	100
79) 2-Chlorotoluene	12.89	91	378504	47.312	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	479699	47.926	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	40479	58.732	ug/l	97
82) 4-Chlorotoluene	12.99	91	397697	47.114	ug/l	100
83) tert-Butylbenzene	13.21	119	447302	49.962	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	482527	48.786	ug/l	98
85) sec-Butylbenzene	13.38	105	611090	50.099	ug/l	99
86) p-Isopropyltoluene	13.49	119	552309	49.318	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	255286	47.314	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	259195	48.884	ug/l	100
89) n-Butylbenzene	13.82	91	523444	49.562	ug/l	100
90) Hexachloroethane	14.09	117	98762	49.212	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	239861	50.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	24587	64.641	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	174181	51.474	ug/l	100
94) Hexachlorobutadiene	15.23	225	117190	48.921	ug/l	98
95) Naphthalene	15.36	128	377402	66.749	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	160173	53.547	ug/l	99

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

