

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010541.D
 Acq On : 23 May 2019 21:15
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 11:00:00 AM

Quant Time: May 24 09:25:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	136292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	236371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	214272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72913	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
35) Dibromofluoromethane	7.88	113	75084	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.32	98	282236	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.62	95	110316	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	54543	44.892	ug/l	98
3) Chloromethane	2.21	50	61798	43.156	ug/l	99
4) Vinyl Chloride	2.35	62	68461	41.274	ug/l	97
5) Bromomethane	2.75	94	50721	44.449	ug/l	100
6) Chloroethane	2.90	64	47464	44.576	ug/l	99
7) Trichlorofluoromethane	3.25	101	116417	47.539	ug/l	99
8) Diethyl Ether	3.68	74	39240	50.550	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	72375	47.991	ug/l	98
10) Methyl Iodide	4.26	142	85144	49.395	ug/l	97
11) Tert butyl alcohol	5.16	59	32757	258.872	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	69368	48.186	ug/l	97
13) Acrolein	3.89	56	17932	242.539	ug/l	100
14) Allyl chloride	4.67	41	98295	47.171	ug/l	99
15) Acrylonitrile	5.37	53	80459	247.490	ug/l	99
16) Acetone	4.12	43	65103	226.720	ug/l	99
17) Carbon Disulfide	4.37	76	196169	45.685	ug/l	97
18) Methyl Acetate	4.67	43	34006	48.421	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	188632	51.398	ug/l	99
20) Methylene Chloride	4.91	84	75494	44.221	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	80550	48.781	ug/l	97
22) Diisopropyl ether	6.31	45	208322	48.755	ug/l	97
23) Vinyl Acetate	6.25	43	630138	246.888	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126440	49.588	ug/l	98
25) 2-Butanone	7.17	43	102671	249.844	ug/l	97
26) 2,2-Dichloropropane	7.17	77	111086	45.736	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	90480	50.401	ug/l	99
28) Bromochloromethane	7.51	49	47039	51.526	ug/l	95
29) Tetrahydrofuran	7.53	42	68179	245.183	ug/l	97
30) Chloroform	7.68	83	138876	50.494	ug/l	96
31) Cyclohexane	7.95	56	115810	43.360	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	126882	48.268	ug/l	98
36) 1,1-Dichloropropene	8.08	75	103916	47.193	ug/l	99
37) Ethyl Acetate	7.25	43	47355	50.574	ug/l	98
38) Carbon Tetrachloride	8.07	117	113966	47.980	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	138413	46.919	ug/l	98
40) Benzene	8.32	78	308987	50.487	ug/l	100
41) Methacrylonitrile	7.48	41	26572	47.760	ug/l	100
42) 1,2-Dichloroethane	8.40	62	88297	50.479	ug/l	99
43) Isopropyl Acetate	8.43	43	92237	49.308	ug/l	99
44) Trichloroethene	9.09	130	91376	50.292	ug/l	99
45) 1,2-Dichloropropane	9.37	63	72793	50.081	ug/l	99
46) Dibromomethane	9.46	93	43627	51.323	ug/l	96
47) Bromodichloromethane	9.65	83	106290	49.758	ug/l	98
48) Methyl methacrylate	9.43	41	41194	48.135	ug/l	96
49) 1,4-Dioxane	9.45	88	14523	1045.875	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	237412	250.462	ug/l	99
52) Toluene	10.39	92	206214	50.172	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	106482	49.219	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	122863	49.727	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	64319	52.618	ug/l	99
56) Ethyl methacrylate	10.65	69	84545	50.150	ug/l	98
57) 1,3-Dichloropropane	10.93	76	105894	51.717	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	198002	265.164	ug/l	98
59) 2-Hexanone	10.97	43	165232	244.361	ug/l	99
60) Dibromochloromethane	11.13	129	80747	52.195	ug/l	98
61) 1,2-Dibromoethane	11.24	107	64931	52.438	ug/l	99
64) Tetrachloroethene	10.86	164	78489	52.548	ug/l	98
65) Chlorobenzene	11.66	112	229567	50.270	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	82719	50.566	ug/l	100
67) Ethyl Benzene	11.73	91	386855	47.982	ug/l	98
68) m/p-Xylenes	11.84	106	309324	97.813	ug/l	99
69) o-Xylene	12.16	106	150042	50.077	ug/l	97
70) Styrene	12.18	104	255841	50.326	ug/l	99
71) Bromoform	12.35	173	45725	50.758	ug/l #	100
73) Isopropylbenzene	12.46	105	398542	47.071	ug/l	100
74) N-amyl acetate	12.27	43	88294	45.508	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	72866	47.316	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49975m	46.143	ug/l	
77) Bromobenzene	12.75	156	95229	50.260	ug/l	96
78) n-propylbenzene	12.80	91	451166	45.725	ug/l	100
79) 2-Chlorotoluene	12.90	91	267095	46.678	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	336199	46.884	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	22547	43.448	ug/l	98
82) 4-Chlorotoluene	12.99	91	279628	47.081	ug/l	99
83) tert-Butylbenzene	13.21	119	289655	46.243	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	337629	47.274	ug/l	100
85) sec-Butylbenzene	13.38	105	401690	45.825	ug/l	100
86) p-Isopropyltoluene	13.50	119	365355	46.048	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	180507	48.559	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	183677	49.248	ug/l	99
89) n-Butylbenzene	13.83	91	342022	45.320	ug/l	99
90) Hexachloroethane	14.10	117	70235	45.734	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	169177	49.948	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13200	46.097	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	116554	50.576	ug/l	99
94) Hexachlorobutadiene	15.24	225	60395	49.057	ug/l	98
95) Naphthalene	15.37	128	240175	49.649	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	101906	51.391	ug/l	99

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

