

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021419\
 Data File : VW008659.D
 Acq On : 14 Feb 2019 11:48
 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
 2/18/2019 12:10:47 AM

Quant Time: Feb 15 02:52:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	415462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	603620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	536945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	274461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	212187	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	7.88	113	200266	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
50) Toluene-d8	10.32	98	779112	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
62) 4-Bromofluorobenzene	12.62	95	277831	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	138125	51.907	ug/l	95
3) Chloromethane	2.21	50	178399	46.506	ug/l	98
4) Vinyl Chloride	2.36	62	242650	48.155	ug/l	100
5) Bromomethane	2.78	94	185752	46.587	ug/l	97
6) Chloroethane	2.92	64	179963	47.997	ug/l	98
7) Trichlorofluoromethane	3.25	101	197328	50.280	ug/l	99
8) Diethyl Ether	3.67	74	108109	46.161	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	214190	51.644	ug/l	98
10) Methyl Iodide	4.26	142	323818	50.024	ug/l	100
11) Tert butyl alcohol	5.18	59	66260	191.734	ug/l	97
12) 1,1-Dichloroethene	4.03	96	206485	50.909	ug/l	99
13) Acrolein	3.89	56	103965	291.993	ug/l	97
14) Allyl chloride	4.65	41	340461	50.523	ug/l	99
15) Acrylonitrile	5.36	53	220799	223.987	ug/l	99
16) Acetone	4.12	43	233669	237.738	ug/l	100
17) Carbon Disulfide	4.37	76	625926	51.137	ug/l	99
18) Methyl Acetate	4.66	43	94941	42.271	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	322014	45.225	ug/l	98
20) Methylene Chloride	4.90	84	212389	48.884	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	220083	49.547	ug/l	100
22) Diisopropyl ether	6.31	45	641502	47.298	ug/l	96
23) Vinyl Acetate	6.25	43	2022767	229.793	ug/l	100
24) 1,1-Dichloroethane	6.21	63	379416	48.479	ug/l	99
25) 2-Butanone	7.17	43	309633	223.098	ug/l	99
26) 2,2-Dichloropropane	7.16	77	255765	52.312	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	230580	48.006	ug/l	98
28) Bromochloromethane	7.51	49	161879	48.997	ug/l	98
29) Tetrahydrofuran	7.52	42	191021	208.817	ug/l	99
30) Chloroform	7.67	83	380525	48.524	ug/l	96
31) Cyclohexane	7.95	56	378494	47.914	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	336375	50.789	ug/l	99
36) 1,1-Dichloropropene	8.07	75	323803	53.394	ug/l	99
37) Ethyl Acetate	7.24	43	133801	45.738	ug/l	100
38) Carbon Tetrachloride	8.06	117	325017	53.897	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	405793	52.903	ug/l	97
40) Benzene	8.32	78	854824	51.612	ug/l	100
41) Methacrylonitrile	7.48	41	84945	51.609	ug/l	97
42) 1,2-Dichloroethane	8.40	62	253303	49.306	ug/l	100
43) Isopropyl Acetate	8.42	43	270313	46.340	ug/l	98
44) Trichloroethene	9.09	130	243638	53.054	ug/l	97
45) 1,2-Dichloropropane	9.37	63	203865	49.736	ug/l	99
46) Dibromomethane	9.45	93	108617	48.104	ug/l	97
47) Bromodichloromethane	9.64	83	279644	51.533	ug/l	99
48) Methyl methacrylate	9.43	41	127159	47.038	ug/l	99
49) 1,4-Dioxane	9.45	88	31146	864.155	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	678754	226.517	ug/l	99
52) Toluene	10.38	92	549553	51.433	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	286557	50.266	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	329523	50.991	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	147689	47.670	ug/l	98
56) Ethyl methacrylate	10.65	69	195658	47.560	ug/l	100
57) 1,3-Dichloropropane	10.93	76	266877	48.550	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	478912	242.673	ug/l	100
59) 2-Hexanone	10.97	43	489856	232.708	ug/l	99
60) Dibromochloromethane	11.13	129	182108	49.125	ug/l	98
61) 1,2-Dibromoethane	11.23	107	148188	48.579	ug/l	99
64) Tetrachloroethene	10.86	164	205778	51.536	ug/l	97
65) Chlorobenzene	11.66	112	594744	51.390	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	207980	50.729	ug/l	99
67) Ethyl Benzene	11.73	91	1081845	52.478	ug/l	99
68) m/p-Xylenes	11.84	106	828270	103.260	ug/l	99
69) o-Xylene	12.16	106	388716	51.268	ug/l	100
70) Styrene	12.18	104	627735	50.689	ug/l	99
71) Bromoform	12.35	173	104735	47.412	ug/l	99
73) Isopropylbenzene	12.46	105	1098150	53.715	ug/l	100
74) N-amyl acetate	12.27	43	261027	47.215	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	175566	49.358	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	122492m	45.197	ug/l	
77) Bromobenzene	12.75	156	245208	52.178	ug/l	98
78) n-propylbenzene	12.80	91	1325892	54.583	ug/l	100
79) 2-Chlorotoluene	12.90	91	726786	52.939	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	901959	53.116	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	54737	44.806	ug/l	100
82) 4-Chlorotoluene	12.99	91	765413	52.609	ug/l	99
83) tert-Butylbenzene	13.21	119	794996	53.916	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	925346	53.019	ug/l	100
85) sec-Butylbenzene	13.38	105	1161748	54.111	ug/l	100
86) p-Isopropyltoluene	13.50	119	1027083	53.475	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	494239	51.879	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	486681	51.835	ug/l	100
89) n-Butylbenzene	13.83	91	981781	53.791	ug/l	100
90) Hexachloroethane	14.10	117	187219	55.793	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	429925	50.936	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	29538	47.787	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	308338	51.319	ug/l	99
94) Hexachlorobutadiene	15.24	225	191485	54.750	ug/l	99
95) Naphthalene	15.37	128	538966	50.056	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	262056	50.827	ug/l	99

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

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