

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008641.D
 Acq On : 13 Feb 2019 15:37
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:08:59 PM

Quant Time: Feb 14 03:59:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:43:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	415086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	633246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	571992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	302339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	247528	57.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.72%	
35) Dibromofluoromethane	7.88	113	220420	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
50) Toluene-d8	10.32	98	862296	56.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.78%	
62) 4-Bromofluorobenzene	12.62	95	326191	57.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	133251	50.121	ug/l	100
3) Chloromethane	2.21	50	191084	49.858	ug/l	100
4) Vinyl Chloride	2.36	62	252087	50.073	ug/l	100
5) Bromomethane	2.78	94	201794	50.656	ug/l	100
6) Chloroethane	2.92	64	190440	50.838	ug/l	100
7) Trichlorofluoromethane	3.25	101	207715	52.974	ug/l	100
8) Diethyl Ether	3.67	74	119721	51.166	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	213996	51.644	ug/l	100
10) Methyl Iodide	4.26	142	340600	52.664	ug/l	100
11) Tert butyl alcohol	5.18	59	89100	263.024	ug/l	100
12) 1,1-Dichloroethene	4.03	96	208654	51.490	ug/l	100
13) Acrolein	3.89	56	86292	242.577	ug/l	100
14) Allyl chloride	4.66	41	360339	53.521	ug/l	100
15) Acrylonitrile	5.36	53	264094	268.150	ug/l	100
16) Acetone	4.12	43	261563	267.280	ug/l	100
17) Carbon Disulfide	4.37	76	639158	52.265	ug/l	100
18) Methyl Acetate	4.67	43	116413	51.879	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	379483	53.345	ug/l	100
20) Methylene Chloride	4.90	84	219649	39.087	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	232339	52.354	ug/l	100
22) Diisopropyl ether	6.31	45	712767	52.600	ug/l	100
23) Vinyl Acetate	6.25	43	2373155	269.842	ug/l	100
24) 1,1-Dichloroethane	6.21	63	411398	52.613	ug/l	100
25) 2-Butanone	7.17	43	374332	269.959	ug/l	100
26) 2,2-Dichloropropane	7.16	77	252652	51.722	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	251571	52.424	ug/l	100
28) Bromochloromethane	7.51	49	162558	49.247	ug/l	100
29) Tetrahydrofuran	7.52	42	243617	266.555	ug/l	100
30) Chloroform	7.67	83	412134	52.602	ug/l	100
31) Cyclohexane	7.95	56	390573	49.488	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	347598	52.531	ug/l	100
36) 1,1-Dichloropropene	8.08	75	335868	52.792	ug/l	100
37) Ethyl Acetate	7.24	43	168213	54.811	ug/l	100
38) Carbon Tetrachloride	8.06	117	336186	53.141	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	420827	52.296	ug/l	100
40) Benzene	8.32	78	905679	52.124	ug/l	100
41) Methacrylonitrile	7.48	41	101127	58.566	ug/l	100
42) 1,2-Dichloroethane	8.40	62	286009	53.067	ug/l	100
43) Isopropyl Acetate	8.42	43	335439	54.814	ug/l	100
44) Trichloroethene	9.09	130	252773	52.468	ug/l	100
45) 1,2-Dichloropropane	9.37	63	226256	52.616	ug/l	100
46) Dibromomethane	9.46	93	127018	53.622	ug/l	100
47) Bromodichloromethane	9.64	83	307006	53.928	ug/l	100
48) Methyl methacrylate	9.43	41	157776	55.633	ug/l	100
49) 1,4-Dioxane	9.45	88	40261	1064.792	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	850158	270.446	ug/l	100
52) Toluene	10.38	92	589263	52.569	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	323624	54.113	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	368592	54.368	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	174141	53.578	ug/l	100
56) Ethyl methacrylate	10.65	69	235496	54.565	ug/l	100
57) 1,3-Dichloropropane	10.93	76	305614	52.996	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	542874	262.214	ug/l	100
59) 2-Hexanone	10.97	43	600318	271.842	ug/l	100
60) Dibromochloromethane	11.13	129	213140	54.806	ug/l	100
61) 1,2-Dibromoethane	11.23	107	172464	53.892	ug/l	100
64) Tetrachloroethene	10.86	164	214579	50.447	ug/l	100
65) Chlorobenzene	11.66	112	637021	51.671	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	230146	52.696	ug/l	100
67) Ethyl Benzene	11.73	91	1150700	52.398	ug/l	100
68) m/p-Xylenes	11.84	106	895070	104.751	ug/l	100
69) o-Xylene	12.16	106	422665	52.330	ug/l	100
70) Styrene	12.18	104	697189	52.848	ug/l	100
71) Bromoform	12.35	173	125106	53.164	ug/l	100
73) Isopropylbenzene	12.46	105	1168380	51.880	ug/l	100
74) N-amyl acetate	12.27	43	329481	54.102	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	208550	53.225	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	148805m	41.237	ug/l	
77) Bromobenzene	12.75	156	268411	51.849	ug/l	100
78) n-propylbenzene	12.80	91	1403507	52.451	ug/l	100
79) 2-Chlorotoluene	12.90	91	788286	52.125	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	983888	52.598	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	67111	54.949	ug/l	100
82) 4-Chlorotoluene	12.99	91	842891	52.592	ug/l	100
83) tert-Butylbenzene	13.21	119	854314	52.597	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1010345	52.551	ug/l	100
85) sec-Butylbenzene	13.38	105	1248701	52.798	ug/l	100
86) p-Isopropyltoluene	13.50	119	1118592	52.869	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	554926	52.878	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	543780	52.576	ug/l	100
89) n-Butylbenzene	13.83	91	1068466	53.142	ug/l	100
90) Hexachloroethane	14.10	117	202725	54.843	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	489674	52.666	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	37091	54.474	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	342698	51.778	ug/l	100
94) Hexachlorobutadiene	15.24	225	198657	51.564	ug/l	100
95) Naphthalene	15.37	128	641368	54.074	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	296108	52.136	ug/l	100

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

