

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008643.D
 Acq On : 13 Feb 2019 16:29
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:09:09 PM

Quant Time: Feb 14 04:02:16 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	421053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	660741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	610570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	321177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	663255	151.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.04%	
35) Dibromofluoromethane	7.88	113	592562	144.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.86%	
50) Toluene-d8	10.32	98	2348283	148.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.96%	
62) 4-Bromofluorobenzene	12.62	95	921462	154.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	401957	149.049	ug/l	95
3) Chloromethane	2.21	50	610189	156.954	ug/l	99
4) Vinyl Chloride	2.37	62	796259	155.924	ug/l	99
5) Bromomethane	2.77	94	588707	145.687	ug/l	97
6) Chloroethane	2.92	64	566916	149.193	ug/l	98
7) Trichlorofluoromethane	3.25	101	675292	169.782	ug/l	98
8) Diethyl Ether	3.67	74	335458	141.334	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	589339	140.211	ug/l	97
10) Methyl Iodide	4.26	142	901331	137.390	ug/l	99
11) Tert butyl alcohol	5.17	59	254623	740.998	ug/l	99
12) 1,1-Dichloroethene	4.03	96	573751	139.579	ug/l	97
13) Acrolein	3.89	56	255697	708.608	ug/l	98
14) Allyl chloride	4.65	41	993137	145.420	ug/l	100
15) Acrylonitrile	5.36	53	743922	744.643	ug/l	99
16) Acetone	4.12	43	743496	748.980	ug/l	97
17) Carbon Disulfide	4.37	76	1761961	142.038	ug/l	100
18) Methyl Acetate	4.67	43	336455	147.814	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	993875	137.732	ug/l	98
20) Methylene Chloride	4.90	84	580195	101.785	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	624498	138.727	ug/l	94
22) Diisopropyl ether	6.31	45	2034294	147.998	ug/l	97
23) Vinyl Acetate	6.25	43	6981940	782.638	ug/l	99
24) 1,1-Dichloroethane	6.21	63	1124398	141.761	ug/l	100
25) 2-Butanone	7.17	43	1094538	778.167	ug/l	100
26) 2,2-Dichloropropane	7.16	77	680427	137.322	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	676975	139.073	ug/l	97
28) Bromochloromethane	7.51	49	545584	162.944	ug/l	98
29) Tetrahydrofuran	7.52	42	715019	771.254	ug/l	99
30) Chloroform	7.67	83	1139913	143.429	ug/l	95
31) Cyclohexane	7.95	56	1060169	132.427	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	950393	141.594	ug/l	98
36) 1,1-Dichloropropene	8.08	75	924943	139.334	ug/l	99
37) Ethyl Acetate	7.25	43	475052	148.351	ug/l	98
38) Carbon Tetrachloride	8.06	117	939947	142.394	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1179468	140.474	ug/l	99
40) Benzene	8.32	78	2514368	138.687	ug/l	99
41) Methacrylonitrile	7.48	41	297882	165.335	ug/l	94
42) 1,2-Dichloroethane	8.40	62	797322	141.783	ug/l	100
43) Isopropyl Acetate	8.42	43	967155	151.467	ug/l	100
44) Trichloroethene	9.09	130	690207	137.305	ug/l	96
45) 1,2-Dichloropropane	9.37	63	623121	138.878	ug/l	99
46) Dibromomethane	9.46	93	347018	140.401	ug/l	99
47) Bromodichloromethane	9.64	83	867832	146.099	ug/l	100
48) Methyl methacrylate	9.43	41	463787	156.730	ug/l	97
49) 1,4-Dioxane	9.45	88	115133	2918.242	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	2544705	775.817	ug/l	100
52) Toluene	10.38	92	1685470	144.107	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	952359	152.616	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	1033541	146.107	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	484477	142.856	ug/l	99
56) Ethyl methacrylate	10.65	69	708841	157.406	ug/l	97
57) 1,3-Dichloropropane	10.93	76	860101	142.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1743117	806.909	ug/l	98
59) 2-Hexanone	10.97	43	1820335	790.000	ug/l	99
60) Dibromochloromethane	11.13	129	612978	151.061	ug/l	99
61) 1,2-Dibromoethane	11.23	107	488044	146.159	ug/l	99
64) Tetrachloroethene	10.86	164	615325	135.521	ug/l	100
65) Chlorobenzene	11.66	112	1813576	137.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	662285	142.062	ug/l	99
67) Ethyl Benzene	11.73	91	3357994	143.247	ug/l	99
68) m/p-Xylenes	11.84	106	2600682	285.130	ug/l	99
69) o-Xylene	12.16	106	1253725	145.416	ug/l	98
70) Styrene	12.18	104	2141706	152.087	ug/l	99
71) Bromoform	12.35	173	400236	159.335	ug/l #	98
73) Isopropylbenzene	12.46	105	3540308	147.983	ug/l	100
74) N-amyl acetate	12.27	43	1060297	163.893	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	620143	148.986	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	446407m	116.454	ug/l	
77) Bromobenzene	12.75	156	763074	138.757	ug/l	96
78) n-propylbenzene	12.80	91	4131028	145.327	ug/l	99
79) 2-Chlorotoluene	12.90	91	2313908	144.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2871195	144.489	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	219910	169.496	ug/l	99
82) 4-Chlorotoluene	12.99	91	2480051	145.666	ug/l	99
83) tert-Butylbenzene	13.21	119	2471457	143.234	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2951440	144.509	ug/l	100
85) sec-Butylbenzene	13.38	105	3595905	143.127	ug/l	99
86) p-Isopropyltoluene	13.50	119	3371511	150.005	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1597673	143.311	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	1513039	137.711	ug/l	99
89) n-Butylbenzene	13.83	91	3114558	145.823	ug/l	99
90) Hexachloroethane	14.10	117	582603	148.368	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	1369068	138.610	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	107898	149.170	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	958401	136.311	ug/l	100
94) Hexachlorobutadiene	15.24	225	551220	134.683	ug/l	99
95) Naphthalene	15.37	128	1852608	147.032	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	831366	137.794	ug/l	100

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

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