

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008767.D
 Acq On : 21 Feb 2019 12:38
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:25:27 PM

Quant Time: Feb 22 00:34:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:19:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	452711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	251649	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	305871	100.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.34%	
35) Dibromofluoromethane	7.88	113	285653	100.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.48%	
50) Toluene-d8	10.32	98	1086747	99.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.58%	
62) 4-Bromofluorobenzene	12.62	95	418703	97.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	316999	97.705	ug/l	98
3) Chloromethane	2.21	50	395399	100.117	ug/l	100
4) Vinyl Chloride	2.35	62	432797	103.502	ug/l	100
5) Bromomethane	2.74	94	302144	97.282	ug/l	95
6) Chloroethane	2.90	64	309263	104.154	ug/l	99
7) Trichlorofluoromethane	3.25	101	537545	101.643	ug/l	99
8) Diethyl Ether	3.68	74	170933	102.091	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	324145	100.931	ug/l	99
10) Methyl Iodide	4.27	142	443872	110.527	ug/l	100
11) Tert butyl alcohol	5.17	59	136460	517.145	ug/l	95
12) 1,1-Dichloroethene	4.03	96	291843	102.898	ug/l	97
13) Acrolein	3.89	56	148048	578.807	ug/l	100
14) Allyl chloride	4.67	41	515443	105.297	ug/l	98
15) Acrylonitrile	5.37	53	373943	520.406	ug/l	98
16) Acetone	4.12	43	351537	499.176	ug/l	97
17) Carbon Disulfide	4.37	76	995795	105.819	ug/l	98
18) Methyl Acetate	4.67	43	163636	97.964	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	795502	103.623	ug/l	98
20) Methylene Chloride	4.92	84	327441	78.862	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	334327	101.904	ug/l	99
22) Diisopropyl ether	6.31	45	1014525	103.894	ug/l	99
23) Vinyl Acetate	6.26	43	3235775	536.318	ug/l	99
24) 1,1-Dichloroethane	6.21	63	583587	103.134	ug/l	99
25) 2-Butanone	7.16	43	513159	521.203	ug/l	99
26) 2,2-Dichloropropane	7.16	77	514335	100.118	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	357813	101.956	ug/l	100
28) Bromochloromethane	7.51	49	239196	101.015	ug/l	99
29) Tetrahydrofuran	7.53	42	338939	540.197	ug/l	99
30) Chloroform	7.68	83	593763	102.285	ug/l	100
31) Cyclohexane	7.95	56	539103	94.121	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	536769	101.678	ug/l	99
36) 1,1-Dichloropropene	8.08	75	456109	99.218	ug/l	99
37) Ethyl Acetate	7.25	43	226256	105.839	ug/l	99
38) Carbon Tetrachloride	8.07	117	484167	99.868	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	586427	102.272	ug/l	98
40) Benzene	8.32	78	1251412	99.703	ug/l	100
41) Methacrylonitrile	7.48	41	134122	106.736	ug/l	93
42) 1,2-Dichloroethane	8.40	62	408359	102.706	ug/l	99
43) Isopropyl Acetate	8.42	43	446821	104.727	ug/l	99
44) Trichloroethene	9.09	130	350644	99.169	ug/l	99
45) 1,2-Dichloropropane	9.37	63	308604	99.497	ug/l	96
46) Dibromomethane	9.46	93	176829	102.495	ug/l	98
47) Bromodichloromethane	9.65	83	432567	103.052	ug/l	96
48) Methyl methacrylate	9.44	41	222578	108.925	ug/l	95
49) 1,4-Dioxane	9.45	88	57435	2078.856	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1130769	522.030	ug/l	99
52) Toluene	10.39	92	848138	99.567	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	453182	105.923	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	510728	104.666	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	238357	101.875	ug/l	96
56) Ethyl methacrylate	10.65	69	323837	106.533	ug/l	98
57) 1,3-Dichloropropane	10.93	76	416147	100.738	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	766082	501.088	ug/l	99
59) 2-Hexanone	10.97	43	811110	526.039	ug/l	100
60) Dibromochloromethane	11.13	129	296827	104.011	ug/l	100
61) 1,2-Dibromoethane	11.23	107	235448	101.664	ug/l	99
64) Tetrachloroethene	10.86	164	314521	97.057	ug/l	98
65) Chlorobenzene	11.66	112	940052	98.753	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	324074	100.685	ug/l	97
67) Ethyl Benzene	11.73	91	1714715	100.764	ug/l	100
68) m/p-Xylenes	11.84	106	1363086	200.477	ug/l	99
69) o-Xylene	12.16	106	643153	100.779	ug/l	98
70) Styrene	12.18	104	1061232	103.361	ug/l	99
71) Bromoform	12.35	173	180694	104.439	ug/l #	99
73) Isopropylbenzene	12.46	105	1752630	101.592	ug/l	100
74) N-amyl acetate	12.27	43	474383	109.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	283353	100.521	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	201296m	92.457	ug/l	
77) Bromobenzene	12.75	156	399033	97.881	ug/l	97
78) n-propylbenzene	12.80	91	2137473	101.289	ug/l	100
79) 2-Chlorotoluene	12.90	91	1208968	100.905	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1532772	102.240	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	95482	111.722	ug/l	95
82) 4-Chlorotoluene	12.99	91	1282079	101.544	ug/l	99
83) tert-Butylbenzene	13.21	119	1299104	100.216	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1585852	102.187	ug/l	100
85) sec-Butylbenzene	13.38	105	1896259	101.733	ug/l	99
86) p-Isopropyltoluene	13.50	119	1742407	101.970	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	836207	98.863	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	816176	97.906	ug/l	100
89) n-Butylbenzene	13.83	91	1650549	103.106	ug/l	99
90) Hexachloroethane	14.10	117	287932	102.932	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	739080	98.067	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	52999	103.937	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	545888	100.529	ug/l	99
94) Hexachlorobutadiene	15.24	225	310390	97.041	ug/l	100
95) Naphthalene	15.37	128	964591	104.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	458466	97.649	ug/l	99

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

