

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\
 Data File : VW008400.D
 Acq On : 24 Jan 2019 16:59
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

sam
 1/25/2019 1:43:57 PM

Quant Time: Jan 25 10:57:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 10:41:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	555071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	897662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	818616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	417346	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	900629	155.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.96%	
35) Dibromofluoromethane	7.88	113	830618	144.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.92%	
50) Toluene-d8	10.32	98	3426567	152.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.44%	
62) 4-Bromofluorobenzene	12.62	95	1330696	164.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	329.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	500212	143.020	ug/l	99
3) Chloromethane	2.21	50	784756	153.065	ug/l	99
4) Vinyl Chloride	2.37	62	942929	143.941	ug/l	99
5) Bromomethane	2.77	94	640626	129.043	ug/l	97
6) Chloroethane	2.92	64	608483	141.911	ug/l	95
7) Trichlorofluoromethane	3.25	101	816209	169.693	ug/l	99
8) Diethyl Ether	3.67	74	458021	137.322	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	833899	148.913	ug/l	99
10) Methyl Iodide	4.26	142	1318727	146.014	ug/l	100
11) Tert butyl alcohol	5.17	59	344821	886.962	ug/l	98
12) 1,1-Dichloroethene	4.03	96	835443	146.686	ug/l	94
13) Acrolein	3.89	56	294214	834.597	ug/l	96
14) Allyl chloride	4.66	41	1655449	173.865	ug/l	99
15) Acrylonitrile	5.36	53	1036804	809.220	ug/l	99
16) Acetone	4.12	43	967230	721.310	ug/l	98
17) Carbon Disulfide	4.37	76	2708173	156.265	ug/l	99
18) Methyl Acetate	4.67	43	555735	155.148	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	1351507	155.015	ug/l	99
20) Methylene Chloride	4.90	84	865165	121.501	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	956850	149.582	ug/l	99
22) Diisopropyl ether	6.31	45	3190715	171.644	ug/l	99
23) Vinyl Acetate	6.25	43	9585687	964.677	ug/l	100
24) 1,1-Dichloroethane	6.21	63	1774461	156.775	ug/l	99
25) 2-Butanone	7.17	43	1436702	836.519	ug/l	99
26) 2,2-Dichloropropane	7.17	77	1091991	151.182	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	1047632	151.160	ug/l	99
28) Bromochloromethane	7.51	49	745302	159.828	ug/l	96
29) Tetrahydrofuran	7.52	42	941388	879.225	ug/l	99
30) Chloroform	7.67	83	1732357	154.693	ug/l	99
31) Cyclohexane	7.95	56	1665595	154.449	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	1455111	154.824	ug/l	100
36) 1,1-Dichloropropene	8.08	75	1410237	156.151	ug/l	100
37) Ethyl Acetate	7.25	43	636198	170.825	ug/l	100
38) Carbon Tetrachloride	8.07	117	1400409	157.032	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1832368	170.569	ug/l	98
40) Benzene	8.32	78	3934608	153.799	ug/l	99
41) Methacrylonitrile	7.48	41	394721	182.064	ug/l	94
42) 1,2-Dichloroethane	8.40	62	1144838	160.037	ug/l	99
43) Isopropyl Acetate	8.43	43	1321026	187.782	ug/l	99
44) Trichloroethene	9.09	130	1043845	148.931	ug/l	98
45) 1,2-Dichloropropane	9.37	63	985633	155.103	ug/l	98
46) Dibromomethane	9.46	93	507027	153.088	ug/l	98
47) Bromodichloromethane	9.64	83	1338809	163.877	ug/l	100
48) Methyl methacrylate	9.43	41	649136	196.012	ug/l	98
49) 1,4-Dioxane	9.45	88	164200	3079.708	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	3294452	924.846	ug/l	100
52) Toluene	10.39	92	2661663	164.404	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	1451441	178.008	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	1625279	169.088	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	707642	154.044	ug/l	98
56) Ethyl methacrylate	10.65	69	1019736	189.016	ug/l	99
57) 1,3-Dichloropropane	10.93	76	1251925	156.958	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	2311016	888.070	ug/l	99
59) 2-Hexanone	10.97	43	2339766	937.454	ug/l	99
60) Dibromochloromethane	11.13	129	902856	164.679	ug/l	99
61) 1,2-Dibromoethane	11.24	107	693437	155.887	ug/l	100
64) Tetrachloroethene	10.86	164	894635	155.860	ug/l	96
65) Chlorobenzene	11.66	112	2789609	156.229	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	1004898	163.517	ug/l	100
67) Ethyl Benzene	11.73	91	5132607	165.549	ug/l	99
68) m/p-Xylenes	11.84	106	3984227	331.084	ug/l	100
69) o-Xylene	12.17	106	1930395	171.700	ug/l	99
70) Styrene	12.18	104	3235909	179.186	ug/l	99
71) Bromoform	12.35	173	572527	187.012	ug/l #	100
73) Isopropylbenzene	12.47	105	5292629	174.049	ug/l	99
74) N-amyl acetate	12.27	43	1430142	219.456	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	839930	162.388	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	624404m	164.292	ug/l	
77) Bromobenzene	12.75	156	1130430	154.765	ug/l	97
78) n-propylbenzene	12.81	91	6248697	169.772	ug/l	100
79) 2-Chlorotoluene	12.90	91	3600996	171.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	4387341	172.897	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	325070	204.115	ug/l	97
82) 4-Chlorotoluene	12.99	91	3861636	175.725	ug/l	99
83) tert-Butylbenzene	13.21	119	3854095	172.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	4377313	169.335	ug/l	99
85) sec-Butylbenzene	13.39	105	5467439	170.501	ug/l	100
86) p-Isopropyltoluene	13.51	119	4731202	168.926	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	2227813	153.508	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	2224767	153.015	ug/l	100
89) n-Butylbenzene	13.83	91	4713926	175.465	ug/l	100
90) Hexachloroethane	14.10	117	922601	178.001	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	2011063	156.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	149228	176.443	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1390053	160.259	ug/l	99
94) Hexachlorobutadiene	15.24	225	809238	165.543	ug/l	99
95) Naphthalene	15.37	128	2509614	173.149	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	1186243	157.013	ug/l	99

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

