

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
 Data File : VW010679.D
 Acq On : 04 Jun 2019 16:35
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 3:05:11 PM

Quant Time: Jun 05 03:22:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 02:25:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	248428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	411342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	182884	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	465820	159.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	318.16%	
35) Dibromofluoromethane	7.88	113	379323	169.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	339.80%	
50) Toluene-d8	10.32	98	1541752	157.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.94%	
62) 4-Bromofluorobenzene	12.62	95	575688	161.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	339983	148.094	ug/l	98
3) Chloromethane	2.22	50	521204	154.311	ug/l	98
4) Vinyl Chloride	2.36	62	483848	155.049	ug/l	98
5) Bromomethane	2.73	94	241598	140.982	ug/l	99
6) Chloroethane	2.89	64	270407	144.359	ug/l	99
7) Trichlorofluoromethane	3.25	101	620104	153.079	ug/l	98
8) Diethyl Ether	3.68	74	229016	158.198	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	384585	154.420	ug/l	98
10) Methyl Iodide	4.27	142	420778	191.313	ug/l	99
11) Tert butyl alcohol	5.17	59	192135	805.430	ug/l	100
12) 1,1-Dichloroethene	4.03	96	376086	156.541	ug/l	99
13) Acrolein	3.90	56	62334	639.460	ug/l	98
14) Allyl chloride	4.67	41	862979	162.909	ug/l	99
15) Acrylonitrile	5.37	53	563951	801.874	ug/l	99
16) Acetone	4.12	43	631649	805.067	ug/l	99
17) Carbon Disulfide	4.37	76	1246935	163.500	ug/l	99
18) Methyl Acetate	4.67	43	273925	162.190	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	1099987	158.750	ug/l	99
20) Methylene Chloride	4.92	84	421726	153.220	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	426780	156.484	ug/l	100
22) Diisopropyl ether	6.31	45	1680591	158.467	ug/l	100
23) Vinyl Acetate	6.26	43	5100855	796.977	ug/l	99
24) 1,1-Dichloroethane	6.21	63	846254	159.227	ug/l	99
25) 2-Butanone	7.17	43	867935	797.776	ug/l	99
26) 2,2-Dichloropropane	7.17	77	679512	157.120	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	476646	158.807	ug/l	99
28) Bromochloromethane	7.51	49	360888	152.155	ug/l	99
29) Tetrahydrofuran	7.53	42	540919	790.459	ug/l	99
30) Chloroform	7.68	83	766115	157.596	ug/l	99
31) Cyclohexane	7.95	56	852244	144.252	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	675370	159.042	ug/l	99
36) 1,1-Dichloropropene	8.08	75	643299	152.782	ug/l	99
37) Ethyl Acetate	7.25	43	365645	156.711	ug/l	99
38) Carbon Tetrachloride	8.07	117	572343	157.463	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	824957	154.124	ug/l	100
40) Benzene	8.32	78	1774004	154.441	ug/l	99
41) Methacrylonitrile	7.48	41	217375	156.737	ug/l	99
42) 1,2-Dichloroethane	8.40	62	562021	154.163	ug/l	100
43) Isopropyl Acetate	8.43	43	715438	158.715	ug/l	100
44) Trichloroethene	9.09	130	438106	154.618	ug/l	99
45) 1,2-Dichloropropane	9.37	63	475854	156.496	ug/l	98
46) Dibromomethane	9.46	93	220435	156.081	ug/l	100
47) Bromodichloromethane	9.65	83	598731	163.545	ug/l	98
48) Methyl methacrylate	9.44	41	352921	162.385	ug/l	99
49) 1,4-Dioxane	9.45	88	73829	3343.583	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	1817691	789.324	ug/l	99
52) Toluene	10.39	92	1099000	155.501	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	641235	165.367	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	744316	163.124	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	316934	155.774	ug/l	99
56) Ethyl methacrylate	10.65	69	505453	161.452	ug/l	98
57) 1,3-Dichloropropane	10.93	76	596911	155.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1270256	774.652	ug/l	99
59) 2-Hexanone	10.97	43	1346340	808.944	ug/l	100
60) Dibromochloromethane	11.13	129	373682	165.684	ug/l	99
61) 1,2-Dibromoethane	11.24	107	303811	157.604	ug/l	99
64) Tetrachloroethene	10.87	164	375142	150.587	ug/l	98
65) Chlorobenzene	11.66	112	1123423	152.260	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	406707	159.235	ug/l	100
67) Ethyl Benzene	11.73	91	2173853	153.303	ug/l	100
68) m/p-Xylenes	11.84	106	1576881	310.649	ug/l	99
69) o-Xylene	12.17	106	759314	157.721	ug/l	100
70) Styrene	12.18	104	1332972	159.388	ug/l	100
71) Bromoform	12.35	173	222412	168.373	ug/l #	99
73) Isopropylbenzene	12.47	105	2065089	150.265	ug/l	100
74) N-amyl acetate	12.27	43	701833	158.015	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	392959	150.196	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	292089m	111.486	ug/l	
77) Bromobenzene	12.75	156	459242	153.087	ug/l	99
78) n-propylbenzene	12.80	91	2500218	150.875	ug/l	99
79) 2-Chlorotoluene	12.90	91	1432766	151.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1726951	153.522	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	139149	166.522	ug/l	95
82) 4-Chlorotoluene	12.99	91	1489704	152.476	ug/l	100
83) tert-Butylbenzene	13.21	119	1469349	153.911	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1744295	154.094	ug/l	99
85) sec-Butylbenzene	13.38	105	2122181	152.678	ug/l	99
86) p-Isopropyltoluene	13.50	119	1943360	156.346	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	894925	154.694	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	884887	154.288	ug/l	99
89) n-Butylbenzene	13.83	91	1949625	157.204	ug/l	99
90) Hexachloroethane	14.10	117	364711	163.842	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	790854	152.012	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	69732	155.210	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	577825	158.269	ug/l	100
94) Hexachlorobutadiene	15.24	225	354920	154.897	ug/l	99
95) Naphthalene	15.37	128	1090477	164.396	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	492249	158.540	ug/l	98

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

