

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006979.D
 Acq On : 20 Nov 2018 16:21
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 11:32:36 AM

Quant Time: Nov 21 03:20:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 02:56:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	117237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	187580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	176332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	83947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	173293	150.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.96%	
35) Dibromofluoromethane	7.88	113	169621	160.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.24%	
50) Toluene-d8	10.33	98	694599	148.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.98%	
62) 4-Bromofluorobenzene	12.62	95	263312	143.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	163594	141.33	ug/l	99
3) Chloromethane	2.21	50	144802	150.11	ug/l	99
4) Vinyl Chloride	2.36	62	140540	148.08	ug/l	100
5) Bromomethane	2.78	94	67312	132.88	ug/l	94
6) Chloroethane	2.92	64	74543	142.48	ug/l	99
7) Trichlorofluoromethane	3.26	101	287578	154.09	ug/l	96
8) Diethyl Ether	3.69	74	88920	147.87	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	172863	142.87	ug/l	99
10) Methyl Iodide	4.28	142	237153	171.23	ug/l	99
11) Tert butyl alcohol	5.22	59	55148	748.82	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	163585	154.16	ug/l	96
13) Acrolein	3.90	56	50564	658.96	ug/l	98
14) Allyl chloride	4.67	41	278160	158.04	ug/l	100
15) Acrylonitrile	5.38	53	175006	774.30	ug/l	99
16) Acetone	4.15	43	123878	743.37	ug/l	98
17) Carbon Disulfide	4.38	76	558986	162.93	ug/l	98
18) Methyl Acetate	4.68	43	88567	149.24	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	414796	149.70	ug/l	100
20) Methylene Chloride	4.92	84	184944	112.30	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	187539	151.71	ug/l	95
22) Diisopropyl ether	6.32	45	524507	153.11	ug/l	99
23) Vinyl Acetate	6.26	43	1417476	779.17	ug/l	100
24) 1,1-Dichloroethane	6.22	63	325221	156.05	ug/l	99
25) 2-Butanone	7.18	43	207399	726.66	ug/l	100
26) 2,2-Dichloropropane	7.17	77	272043	145.16	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	205615	156.20	ug/l	99
28) Bromochloromethane	7.52	49	119770	153.77	ug/l #	98
29) Tetrahydrofuran	7.53	42	139992	757.33	ug/l	99
30) Chloroform	7.68	83	334606	151.13	ug/l	97
31) Cyclohexane	7.96	56	287453	130.04	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	291095	145.97	ug/l	100
36) 1,1-Dichloropropene	8.09	75	256201	139.77	ug/l	100
37) Ethyl Acetate	7.26	43	93827	141.25	ug/l	98
38) Carbon Tetrachloride	8.07	117	250643	142.79	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	336159	146.54	ug/l	98
40) Benzene	8.33	78	727058	146.94	ug/l	99
41) Methacrylonitrile	7.49	41	60176	145.88	ug/l	96
42) 1,2-Dichloroethane	8.40	62	210596	146.60	ug/l	99
43) Isopropyl Acetate	8.43	43	199072	157.27	ug/l	98
44) Trichloroethene	9.09	130	198885	143.39	ug/l	99
45) 1,2-Dichloropropane	9.37	63	176702	144.87	ug/l	99
46) Dibromomethane	9.46	93	91882	150.42	ug/l	98
47) Bromodichloromethane	9.65	83	235544	146.36	ug/l	98
48) Methyl methacrylate	9.44	41	95560	156.56	ug/l	99
49) 1,4-Dioxane	9.48	88	25920	2855.05	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	464144	725.57	ug/l	100
52) Toluene	10.39	92	494784	146.94	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	246284	157.98	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	288346	153.09	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	131858	146.72	ug/l	99
56) Ethyl methacrylate	10.65	69	166836	159.93	ug/l	98
57) 1,3-Dichloropropane	10.93	76	223076	148.12	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	389005	713.63	ug/l	100
59) 2-Hexanone	10.97	43	318739	727.62	ug/l	99
60) Dibromochloromethane	11.13	129	160063	156.31	ug/l	99
61) 1,2-Dibromoethane	11.24	107	124975	152.02	ug/l	99
64) Tetrachloroethene	10.87	164	166237	146.54	ug/l	98
65) Chlorobenzene	11.66	112	542388	147.38	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	174144	156.42	ug/l	99
67) Ethyl Benzene	11.73	91	987415	146.05	ug/l	98
68) m/p-Xylenes	11.84	106	767420	289.32	ug/l	100
69) o-Xylene	12.17	106	362898	145.09	ug/l	99
70) Styrene	12.18	104	588485	147.83	ug/l	99
71) Bromoform	12.35	173	84757	161.61	ug/l #	99
73) Isopropylbenzene	12.47	105	1001267	153.47	ug/l	100
74) N-amyl acetate	12.27	43	176034	160.99	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	132393	152.48	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	86668m	79.77	ug/l	
77) Bromobenzene	12.75	156	210648	150.32	ug/l	98
78) n-propylbenzene	12.81	91	1197801	151.57	ug/l	99
79) 2-Chlorotoluene	12.90	91	690050	151.44	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	856870	151.88	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	42968	163.53	ug/l	99
82) 4-Chlorotoluene	12.99	91	720988	150.78	ug/l	99
83) tert-Butylbenzene	13.21	119	732211	149.90	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	852923	151.74	ug/l	100
85) sec-Butylbenzene	13.39	105	1030096	149.28	ug/l	99
86) p-Isopropyltoluene	13.51	119	901400	148.07	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	411519	143.85	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	415292	145.60	ug/l	99
89) n-Butylbenzene	13.83	91	869785	151.82	ug/l	99
90) Hexachloroethane	14.10	117	146503	164.83	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	363138	144.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23692	161.56	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	257384	155.71	ug/l	100
94) Hexachlorobutadiene	15.24	225	129042	143.60	ug/l	99
95) Naphthalene	15.38	128	482699	160.87	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	217371	158.51	ug/l	100

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

