

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059690.D
 Acq On : 6 Aug 2018 13:02
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 2:26:31 PM

Quant Time: Aug 07 04:19:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 03:58:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	203858	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.67	114	258649	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	207220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	110439	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	276740	103.54	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	207.08%	
35) Dibromofluoromethane	5.52	113	238504	99.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	199.86%	
50) Toluene-d8	8.69	98	483243	93.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	186.08%	
62) 4-Bromofluorobenzene	11.92	95	224489	93.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	186.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.31	85	285244	100.44	ug/l	100
3) Chloromethane	1.46	50	128774	103.46	ug/l	98
4) Vinyl Chloride	1.53	62	160173	107.96	ug/l	98
5) Bromomethane	1.76	94	41825	80.56	ug/l	93
6) Chloroethane	1.85	64	53833	90.76	ug/l	98
7) Trichlorofluoromethane	2.05	101	226429	94.35	ug/l	100
8) Diethyl Ether	2.32	74	49191	109.85	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.52	101	135070	97.49	ug/l	98
10) Methyl Iodide	2.66	142	170451	107.82	ug/l	94
11) Tert butyl alcohol	3.24	59	49037	522.45	ug/l	97
12) 1,1-Dichloroethene	2.51	96	104688	102.20	ug/l	99
13) Acrolein	2.45	56	47820	533.70	ug/l	98
14) Allyl chloride	2.89	41	243279	104.55	ug/l	97
15) Acrylonitrile	3.32	53	134025	496.71	ug/l	94
16) Acetone	2.58	43	258393	521.12	ug/l	100
17) Carbon Disulfide	2.72	76	403533	111.36	ug/l	98
18) Methyl Acetate	2.91	43	86588	97.56	ug/l	# 91
19) Methyl tert-butyl Ether	3.37	73	318935	80.92	ug/l	95
20) Methylene Chloride	3.04	84	121624	65.81	ug/l	97
21) trans-1,2-Dichloroethene	3.35	96	118139m	85.03	ug/l	
22) Diisopropyl ether	4.04	45	519494	97.78	ug/l	98
23) Vinyl Acetate	3.99	43	1670774	503.88	ug/l	99
24) 1,1-Dichloroethane	3.93	63	347400	97.09	ug/l	99
25) 2-Butanone	4.81	43	343835	543.85	ug/l	98
26) 2,2-Dichloropropane	4.77	77	369946	95.22	ug/l	99
27) cis-1,2-Dichloroethene	4.77	96	175387	93.36	ug/l	81
28) Bromochloromethane	5.11	49	134858	101.69	ug/l	98
29) Tetrahydrofuran	5.16	42	129199	522.30	ug/l	96
30) Chloroform	5.29	83	425383	98.49	ug/l	99
31) Cyclohexane	5.56	56	227356	87.29	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	425772	100.58	ug/l	96
36) 1,1-Dichloropropene	5.72	75	271637	93.94	ug/l	97
37) Ethyl Acetate	4.90	43	135463	99.60	ug/l	98
38) Carbon Tetrachloride	5.69	117	373852	95.46	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	238389	99.61	ug/l	98
40) Benzene	5.99	78	515338	92.47	ug/l	98
41) Methacrylonitrile	5.09	41	66834	101.43	ug/l	92
42) 1,2-Dichloroethane	6.11	62	345416	100.65	ug/l	100
43) Isopropyl Acetate	7.60	43	185685	103.05	ug/l	98
44) Trichloroethene	6.96	130	203233	99.94	ug/l	100
45) 1,2-Dichloropropane	7.32	63	143297	99.53	ug/l	96
46) Dibromomethane	7.44	93	126868	100.12	ug/l	95
47) Bromodichloromethane	7.72	83	324174	99.78	ug/l	96
48) Methyl methacrylate	7.48	41	124241	104.08	ug/l	96
49) 1,4-Dioxane	7.47	88	21887	2357.33	ug/l #	83
51) 4-Methyl-2-Pentanone	8.58	43	690368	526.18	ug/l	99
52) Toluene	8.78	92	328699	93.62	ug/l	99
53) t-1,3-Dichloropropene	9.16	75	273975	99.57	ug/l	99
54) cis-1,3-Dichloropropene	8.34	75	273728	98.57	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	125628	93.31	ug/l	95
56) Ethyl methacrylate	9.29	69	152979	100.48	ug/l	97
57) 1,3-Dichloropropane	9.65	76	202582	93.57	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.17	63	343262	477.68	ug/l	98
59) 2-Hexanone	9.77	43	532111	535.86	ug/l	98
60) Dibromochloromethane	9.94	129	225407	102.93	ug/l	98
61) 1,2-Dibromoethane	10.08	107	155635	98.12	ug/l	91
64) Tetrachloroethene	9.50	164	187295	97.09	ug/l	95
65) Chlorobenzene	10.71	112	398392	94.72	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	181232	95.86	ug/l	98
67) Ethyl Benzene	10.85	91	727407	93.56	ug/l	100
68) m/p-Xylenes	11.00	106	466821	189.22	ug/l	92
69) o-Xylene	11.40	106	215432	89.06	ug/l	95
70) Styrene	11.42	104	376669	94.11	ug/l	98
71) Bromoform	11.58	173	161114	112.71	ug/l #	96
73) Isopropylbenzene	11.76	105	700267	93.60	ug/l	98
74) N-amyl acetate	11.63	43	250732	107.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	143445	98.58	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	166676	97.21	ug/l	96
77) Bromobenzene	12.03	156	203175	94.66	ug/l	99
78) n-propylbenzene	12.15	91	856509	92.56	ug/l	100
79) 2-Chlorotoluene	12.20	91	529970	95.07	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	597364	97.14	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.83	75	44732	104.52	ug/l	97
82) 4-Chlorotoluene	12.31	91	594904	91.29	ug/l	93
83) tert-Butylbenzene	12.57	119	666231	95.89	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	628863	96.48	ug/l	100
85) sec-Butylbenzene	12.75	105	718798	93.74	ug/l	97
86) p-Isopropyltoluene	12.87	119	651630	98.10	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	355035	94.44	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	345300	91.47	ug/l	97
89) n-Butylbenzene	13.19	91	620298	94.68	ug/l	98
90) Hexachloroethane	13.39	117	178777	103.09	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	292378	94.30	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	34280	107.49	ug/l	93

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93) 1,2,4-Trichlorobenzene	14.33	180	265744	95.41	ug/l	99
94) Hexachlorobutadiene	14.43	225	215926	99.34	ug/l	99
95) Naphthalene	14.51	128	406471	97.53	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	237944	95.61	ug/l	97

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

