

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064373.D
 Acq On : 25 Nov 2019 21:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 9:55:53 AM

Quant Time: Nov 26 06:42:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	442085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	667298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	587784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290944	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	200251	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
35) Dibromofluoromethane	7.92	113	208589	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
50) Toluene-d8	10.34	98	729733	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.64	95	244772	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	137731	37.564	ug/l	97
3) Chloromethane	2.21	50	188964	48.048	ug/l	99
4) Vinyl Chloride	2.35	62	229052	54.463	ug/l	99
5) Bromomethane	2.77	94	162961	61.364	ug/l	99
6) Chloroethane	2.92	64	171205	63.708	ug/l	97
7) Trichlorofluoromethane	3.27	101	418746	61.413	ug/l	96
8) Diethyl Ether	3.71	74	105206	56.115	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	194017	49.783	ug/l	97
10) Methyl Iodide	4.29	142	200882	45.352	ug/l	99
11) Tert butyl alcohol	5.25	59	65359	257.369	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	183442	49.382	ug/l	98
13) Acrolein	3.92	56	67592	314.621	ug/l	97
14) Allyl chloride	4.71	41	305131	46.457	ug/l	95
15) Acrylonitrile	5.43	53	234301	293.145	ug/l	99
16) Acetone	4.17	43	182425	211.791	ug/l	98
17) Carbon Disulfide	4.40	76	514387	44.465	ug/l	99
18) Methyl Acetate	4.73	43	138035	57.377	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	492055	55.486	ug/l	95
20) Methylene Chloride	4.97	84	218134	50.135	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	212965	50.601	ug/l	92
22) Diisopropyl ether	6.37	45	646024	53.012	ug/l	99
23) Vinyl Acetate	6.31	43	1895387	279.020	ug/l	97
24) 1,1-Dichloroethane	6.26	63	381074	53.856	ug/l	100
25) 2-Butanone	7.22	43	286385	257.353	ug/l	99
26) 2,2-Dichloropropane	7.21	77	313203	45.136	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	250649	55.535	ug/l	93
28) Bromochloromethane	7.55	49	152454	61.887	ug/l	100
29) Tetrahydrofuran	7.57	42	190139	284.384	ug/l	98
30) Chloroform	7.71	83	407584	56.313	ug/l	99
31) Cyclohexane	7.98	56	313611	43.947	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	352188	50.818	ug/l	100
36) 1,1-Dichloropropene	8.11	75	287823	46.735	ug/l	100
37) Ethyl Acetate	7.30	43	135803	52.306	ug/l	97
38) Carbon Tetrachloride	8.10	117	318944	48.399	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	352094	45.182	ug/l	96
40) Benzene	8.35	78	847387	50.345	ug/l	97
41) Methacrylonitrile	7.53	41	79962	49.001	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	261074	51.645	ug/l	100
43) Isopropyl Acetate	8.46	43	273391	51.106	ug/l	97
44) Trichloroethene	9.11	130	252746	50.032	ug/l	99
45) 1,2-Dichloropropane	9.39	63	216210	52.776	ug/l	96
46) Dibromomethane	9.48	93	120691	55.029	ug/l	98
47) Bromodichloromethane	9.66	83	319123	54.018	ug/l	99
48) Methyl methacrylate	9.46	41	128910	49.282	ug/l	93
49) 1,4-Dioxane	9.47	88	29573	1122.718	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	681249	265.563	ug/l	99
52) Toluene	10.40	92	553438	50.004	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	297817	50.319	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	353374	51.166	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	168552	56.651	ug/l	96
56) Ethyl methacrylate	10.66	69	219519	52.743	ug/l	92
57) 1,3-Dichloropropane	10.95	76	281652	54.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	490397	290.877	ug/l	99
59) 2-Hexanone	10.99	43	458259	251.091	ug/l	99
60) Dibromochloromethane	11.14	129	228283	54.987	ug/l	98
61) 1,2-Dibromoethane	11.25	107	165176	55.428	ug/l	100
64) Tetrachloroethene	10.88	164	212288	46.960	ug/l	98
65) Chlorobenzene	11.67	112	606500	50.742	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	234984	51.703	ug/l	99
67) Ethyl Benzene	11.75	91	1055023	48.798	ug/l	99
68) m/p-Xylenes	11.86	106	825056	99.559	ug/l	97
69) o-Xylene	12.18	106	385298	50.131	ug/l	98
70) Styrene	12.20	104	670178	49.954	ug/l	99
71) Bromoform	12.37	173	138676	53.615	ug/l #	99
73) Isopropylbenzene	12.48	105	1020177	47.772	ug/l	100
74) N-amyl acetate	12.30	43	242800	48.146	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172373	53.568	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	114153m	48.711	ug/l	
77) Bromobenzene	12.77	156	266360	51.341	ug/l	97
78) n-propylbenzene	12.83	91	1168256	47.882	ug/l	99
79) 2-Chlorotoluene	12.91	91	655831	47.610	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	845520	48.184	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	55928	47.406	ug/l	99
82) 4-Chlorotoluene	13.01	91	700598	48.762	ug/l	100
83) tert-Butylbenzene	13.23	119	736851	47.621	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	847281	48.908	ug/l	99
85) sec-Butylbenzene	13.41	105	988638	47.572	ug/l	99
86) p-Isopropyltoluene	13.53	119	938305	47.492	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	485574	50.420	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	476557	50.701	ug/l	100
89) n-Butylbenzene	13.85	91	840207	47.072	ug/l	99
90) Hexachloroethane	14.12	117	177959	48.738	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	423132	51.909	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27896	48.487	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	317221	50.448	ug/l	99
94) Hexachlorobutadiene	15.28	225	190842	46.988	ug/l	97
95) Naphthalene	15.41	128	552395	53.590	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	279526	52.296	ug/l	99

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

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