

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064155.D
 Acq On : 08 Nov 2019 14:07
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:38 AM

Quant Time: Nov 11 08:25:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	959664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1345786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1153312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	552509	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	77657	9.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.98%	
35) Dibromofluoromethane	7.91	113	77682	9.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	18.84%	
50) Toluene-d8	10.34	98	296174	9.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	18.06%	
62) 4-Bromofluorobenzene	12.63	95	100858	9.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	18.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	82127	8.599	ug/l	100
3) Chloromethane	2.21	50	90173	5.961	ug/l	99
4) Vinyl Chloride	2.36	62	95706	5.857	ug/l	99
5) Bromomethane	2.78	94	58787	5.563	ug/l	99
6) Chloroethane	2.93	64	59963	5.884	ug/l	99
7) Trichlorofluoromethane	3.28	101	153240	6.703	ug/l	100
8) Diethyl Ether	3.71	74	40447	9.482	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90054	10.269	ug/l	99
10) Methyl Iodide	4.30	142	70294	6.601	ug/l	99
11) Tert butyl alcohol	5.24	59	28660m	66.244	ug/l	
12) 1,1-Dichloroethene	4.06	96	88029	10.533	ug/l	94
13) Acrolein	3.92	56	19412	39.066	ug/l	84
14) Allyl chloride	4.71	41	145091	13.684	ug/l	99
15) Acrylonitrile	5.43	53	84765	53.062	ug/l	99
16) Acetone	4.17	43	83687	55.285	ug/l	93
17) Carbon Disulfide	4.40	76	256085	9.963	ug/l	100
18) Methyl Acetate	4.73	43	49622	12.109	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	189758	10.889	ug/l	92
20) Methylene Chloride	4.97	84	104453	10.115	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	92618	9.890	ug/l	96
22) Diisopropyl ether	6.37	45	267365	11.875	ug/l	93
23) Vinyl Acetate	6.31	43	731235	59.038	ug/l	99
24) 1,1-Dichloroethane	6.27	63	154158	10.406	ug/l	98
25) 2-Butanone	7.23	43	116844	56.230	ug/l	97
26) 2,2-Dichloropropane	7.21	77	157520	11.153	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	99034	9.523	ug/l	99
28) Bromochloromethane	7.54	49	41410	7.773	ug/l	97
29) Tetrahydrofuran	7.57	42	71866	58.788	ug/l	96
30) Chloroform	7.71	83	159873	9.590	ug/l	98
31) Cyclohexane	7.98	56	169683	11.700	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	153885	9.898	ug/l	99
36) 1,1-Dichloropropene	8.11	75	127574	10.056	ug/l	98
37) Ethyl Acetate	7.31	43	51240	12.508	ug/l	97
38) Carbon Tetrachloride	8.10	117	136114	9.917	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165617	10.744	ug/l	99
40) Benzene	8.35	78	340305	9.885	ug/l	97
41) Methacrylonitrile	7.53	41	29491	12.020	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	101560	10.985	ug/l	97
43) Isopropyl Acetate	8.46	43	109266	13.057	ug/l	99
44) Trichloroethene	9.11	130	104544	10.066	ug/l	97
45) 1,2-Dichloropropane	9.39	63	83544	10.362	ug/l	100
46) Dibromomethane	9.48	93	43622	9.216	ug/l	96
47) Bromodichloromethane	9.67	83	121467	10.082	ug/l	93
48) Methyl methacrylate	9.46	41	52970	13.639	ug/l	98
49) 1,4-Dioxane	9.46	88	10533	197.092	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	258715	58.840	ug/l	99
52) Toluene	10.41	92	225412	9.482	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	119365	10.533	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	140276	10.488	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	58916	8.858	ug/l	95
56) Ethyl methacrylate	10.66	69	83660	11.162	ug/l	96
57) 1,3-Dichloropropane	10.95	76	104591	9.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	160383	52.398	ug/l	99
59) 2-Hexanone	10.99	43	182743	58.662	ug/l	99
60) Dibromochloromethane	11.14	129	84094	9.293	ug/l	98
61) 1,2-Dibromoethane	11.25	107	58497	8.822	ug/l	94
64) Tetrachloroethene	10.88	164	92995	11.020	ug/l	96
65) Chlorobenzene	11.67	112	237425	9.966	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	90671	10.133	ug/l	99
67) Ethyl Benzene	11.75	91	436037	10.260	ug/l	99
68) m/p-Xylenes	11.86	106	329206	19.432	ug/l	98
69) o-Xylene	12.18	106	156347	10.097	ug/l	98
70) Styrene	12.20	104	266422	9.999	ug/l	99
71) Bromoform	12.36	173	51098	10.567	ug/l #	99
73) Isopropylbenzene	12.48	105	424398	10.857	ug/l	99
74) N-amyl acetate	12.29	43	99622	14.386	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	62096	10.134	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	47224m	12.330	ug/l	
77) Bromobenzene	12.77	156	102752	10.848	ug/l	99
78) n-propylbenzene	12.83	91	483379	10.593	ug/l	99
79) 2-Chlorotoluene	12.91	91	273930	11.083	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	344547	10.600	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22796	12.010	ug/l	99
82) 4-Chlorotoluene	13.01	91	282420	10.775	ug/l	98
83) tert-Butylbenzene	13.23	119	312006	10.714	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	338351	10.387	ug/l	99
85) sec-Butylbenzene	13.41	105	409574	10.310	ug/l	100
86) p-Isopropyltoluene	13.52	119	387517	10.391	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	187464	10.077	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	180343	9.780	ug/l	95
89) n-Butylbenzene	13.85	91	355667	10.362	ug/l	98
90) Hexachloroethane	14.11	117	71442	10.183	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	160187	9.998	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11095	11.989	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	118828	10.207	ug/l	97
94) Hexachlorobutadiene	15.27	225	79964	11.553	ug/l	99
95) Naphthalene	15.41	128	194938	10.304	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	102189	10.111	ug/l	98

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

