

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064154.D
 Acq On : 08 Nov 2019 13:40
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:34 AM

Quant Time: Nov 11 08:24:21 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	1036804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1449836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1228880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	584101	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	36705	4.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.74%	
35) Dibromofluoromethane	7.92	113	36887	4.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.30%	
50) Toluene-d8	10.34	98	130197	3.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.36%	
62) 4-Bromofluorobenzene	12.64	95	51398	4.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	45456	4.406	ug/l	91
3) Chloromethane	2.21	50	47656	2.916	ug/l	97
4) Vinyl Chloride	2.36	62	48237	2.733	ug/l	94
5) Bromomethane	2.77	94	30742	2.692	ug/l	92
6) Chloroethane	2.93	64	31205	2.834	ug/l	97
7) Trichlorofluoromethane	3.28	101	80132	3.245	ug/l	95
8) Diethyl Ether	3.71	74	21835	4.738	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	47334	4.996	ug/l	95
10) Methyl Iodide	4.30	142	28963	2.517	ug/l #	91
11) Tert butyl alcohol	5.24	59	14275m	30.540	ug/l	
12) 1,1-Dichloroethene	4.06	96	41840	4.634	ug/l	98
13) Acrolein	3.92	56	11393	21.222	ug/l #	69
14) Allyl chloride	4.71	41	77313	6.749	ug/l	99
15) Acrylonitrile	5.43	53	45201	26.190	ug/l	99
16) Acetone	4.16	43	53153	32.501	ug/l	97
17) Carbon Disulfide	4.40	76	131917	4.750	ug/l	98
18) Methyl Acetate	4.73	43	32549	7.352	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	101157	5.373	ug/l	98
20) Methylene Chloride	4.96	84	59901	5.369	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	50741	5.015	ug/l	91
22) Diisopropyl ether	6.37	45	140904	5.793	ug/l	98
23) Vinyl Acetate	6.31	43	345707	25.835	ug/l	97
24) 1,1-Dichloroethane	6.27	63	83029	5.187	ug/l	100
25) 2-Butanone	7.23	43	63600	28.330	ug/l	94
26) 2,2-Dichloropropane	7.21	77	82600	5.413	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	51362	4.571	ug/l	97
28) Bromochloromethane	7.55	49	31885	5.540	ug/l	95
29) Tetrahydrofuran	7.57	42	36950	27.977	ug/l	96
30) Chloroform	7.71	83	84260	4.678	ug/l	97
31) Cyclohexane	7.98	56	95275	6.081	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	83260	4.957	ug/l	99
36) 1,1-Dichloropropene	8.11	75	66737	4.883	ug/l	96
37) Ethyl Acetate	7.30	43	28036	6.352	ug/l #	90
38) Carbon Tetrachloride	8.09	117	69406	4.694	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	86639	5.217	ug/l	98
40) Benzene	8.36	78	181203	4.886	ug/l	99
41) Methacrylonitrile	7.53	41	17939	6.787	ug/l	94
42) 1,2-Dichloroethane	8.43	62	53955	5.417	ug/l	97
43) Isopropyl Acetate	8.46	43	55916	6.202	ug/l	99
44) Trichloroethene	9.11	130	55649	4.974	ug/l	86
45) 1,2-Dichloropropane	9.39	63	44264	5.096	ug/l	99
46) Dibromomethane	9.48	93	23696	4.647	ug/l	98
47) Bromodichloromethane	9.66	83	63300	4.877	ug/l	100
48) Methyl methacrylate	9.46	41	30342	7.252	ug/l	89
49) 1,4-Dioxane	9.47	88	5923	102.876	ug/l #	78
51) 4-Methyl-2-Pentanone	10.23	43	134756	28.448	ug/l	100
52) Toluene	10.41	92	118227	4.616	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	62329	5.105	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	73144	5.076	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	31915	4.454	ug/l	95
56) Ethyl methacrylate	10.66	69	43896	5.436	ug/l	95
57) 1,3-Dichloropropane	10.95	76	53543	4.479	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	98579	29.895	ug/l	99
59) 2-Hexanone	10.99	43	94940	28.290	ug/l	96
60) Dibromochloromethane	11.14	129	44790	4.595	ug/l	96
61) 1,2-Dibromoethane	11.25	107	31781	4.449	ug/l	100
64) Tetrachloroethene	10.88	164	47066	5.235	ug/l	97
65) Chlorobenzene	11.67	112	126638	4.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	47293	4.960	ug/l	98
67) Ethyl Benzene	11.75	91	230230	5.084	ug/l	100
68) m/p-Xylenes	11.86	106	171991	9.528	ug/l	98
69) o-Xylene	12.18	106	79743	4.833	ug/l	99
70) Styrene	12.20	104	138083	4.864	ug/l	99
71) Bromoform	12.36	173	25721	4.992	ug/l #	100
73) Isopropylbenzene	12.48	105	221267	5.354	ug/l	99
74) N-amyl acetate	12.29	43	51316	7.010	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	31890	4.923	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	18645m	4.605	ug/l	
77) Bromobenzene	12.76	156	52618	5.255	ug/l	98
78) n-propylbenzene	12.83	91	256013	5.307	ug/l	99
79) 2-Chlorotoluene	12.91	91	142494	5.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	181257	5.275	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	11419	5.691	ug/l	93
82) 4-Chlorotoluene	13.01	91	147676	5.330	ug/l	99
83) tert-Butylbenzene	13.23	119	162147	5.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	176316	5.120	ug/l	98
85) sec-Butylbenzene	13.41	105	214755	5.114	ug/l	99
86) p-Isopropyltoluene	13.52	119	203417	5.159	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	98061	4.986	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	95840	4.916	ug/l	92
89) n-Butylbenzene	13.85	91	181021	4.989	ug/l	99
90) Hexachloroethane	14.11	117	37842	5.102	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	79296	4.682	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5911	6.042	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	63156	5.131	ug/l	97
94) Hexachlorobutadiene	15.28	225	42467	5.803	ug/l	97
95) Naphthalene	15.41	128	101161	5.058	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	54405	5.092	ug/l	96

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

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