

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064087.D
 Acq On : 29 Oct 2019 14:04
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:23 AM

Quant Time: Oct 30 07:51:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 07:33:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	250088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	376988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	382209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	211153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	200441	100.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	201.56%	
35) Dibromofluoromethane	7.92	113	228626	98.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	197.14%	
50) Toluene-d8	10.34	98	957958	103.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	206.56%	
62) 4-Bromofluorobenzene	12.64	95	330666	107.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	215.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	250034	97.911	ug/l	98
3) Chloromethane	2.21	50	389680	91.458	ug/l	99
4) Vinyl Chloride	2.35	62	446465	96.627	ug/l	98
5) Bromomethane	2.76	94	307476	102.111	ug/l	100
6) Chloroethane	2.92	64	271827	94.718	ug/l	94
7) Trichlorofluoromethane	3.27	101	606218	95.307	ug/l	95
8) Diethyl Ether	3.70	74	103929	94.001	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	225322	98.299	ug/l	100
10) Methyl Iodide	4.29	142	321299	113.137	ug/l	100
11) Tert butyl alcohol	5.25	59	61857	368.946	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	211385	97.439	ug/l	96
13) Acrolein	3.92	56	61349	483.748	ug/l	96
14) Allyl chloride	4.71	41	264965	104.353	ug/l	99
15) Acrylonitrile	5.43	53	211214	517.179	ug/l	98
16) Acetone	4.17	43	205852	543.951	ug/l	98
17) Carbon Disulfide	4.40	76	689638	103.446	ug/l	97
18) Methyl Acetate	4.73	43	98700	98.049	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	452370	102.762	ug/l	97
20) Methylene Chloride	4.96	84	245077	90.636	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	244652	100.462	ug/l	95
22) Diisopropyl ether	6.37	45	604541	107.505	ug/l	94
23) Vinyl Acetate	6.31	43	1712350	544.002	ug/l	100
24) 1,1-Dichloroethane	6.27	63	380537	100.211	ug/l	99
25) 2-Butanone	7.22	43	272591	521.029	ug/l	95
26) 2,2-Dichloropropane	7.21	77	359985	99.882	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	278549	102.221	ug/l	99
28) Bromochloromethane	7.55	49	156986	113.336	ug/l	99
29) Tetrahydrofuran	7.57	42	164030	537.211	ug/l	99
30) Chloroform	7.71	83	435801	100.294	ug/l	100
31) Cyclohexane	7.98	56	359369	97.140	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	415146	102.636	ug/l	97
36) 1,1-Dichloropropene	8.11	75	346497	98.088	ug/l	99
37) Ethyl Acetate	7.30	43	114517	105.322	ug/l #	94
38) Carbon Tetrachloride	8.10	117	388469	100.792	ug/l	95

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39) Methylcyclohexane	9.36	83	459749	106.022	ug/l	98
40) Benzene	8.36	78	989929	102.765	ug/l	97
41) Methacrylonitrile	7.54	41	73354	99.413	ug/l	87
42) 1,2-Dichloroethane	8.43	62	250829	98.575	ug/l	99
43) Isopropyl Acetate	8.46	43	233437	106.234	ug/l	99
44) Trichloroethene	9.11	130	296331	101.495	ug/l	100
45) 1,2-Dichloropropane	9.39	63	226879	101.628	ug/l	99
46) Dibromomethane	9.48	93	136212	101.309	ug/l	98
47) Bromodichloromethane	9.67	83	346909	102.275	ug/l	97
48) Methyl methacrylate	9.46	41	107639	105.928	ug/l	97
49) 1,4-Dioxane	9.47	88	33300	2163.692	ug/l #	83
51) 4-Methyl-2-Pentanone	10.23	43	643511	537.937	ug/l	100
52) Toluene	10.41	92	721138	106.823	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	348168	109.962	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	393315	105.585	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	201563	105.737	ug/l	95
56) Ethyl methacrylate	10.67	69	238207	115.082	ug/l	97
57) 1,3-Dichloropropane	10.95	76	329248	104.436	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	427136	511.453	ug/l	99
59) 2-Hexanone	10.99	43	486133	570.218	ug/l	100
60) Dibromochloromethane	11.14	129	272147	105.184	ug/l	99
61) 1,2-Dibromoethane	11.25	107	203799	106.893	ug/l	100
64) Tetrachloroethene	10.88	164	275651	100.390	ug/l	98
65) Chlorobenzene	11.67	112	825235	104.496	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	312306	105.686	ug/l	98
67) Ethyl Benzene	11.75	91	1532205	109.080	ug/l	100
68) m/p-Xylenes	11.86	106	1236437	218.841	ug/l	99
69) o-Xylene	12.18	106	561570	108.910	ug/l	98
70) Styrene	12.20	104	987853	111.082	ug/l	98
71) Bromoform	12.37	173	163134	103.368	ug/l #	99
73) Isopropylbenzene	12.48	105	1581232	107.765	ug/l	98
74) N-amyl acetate	12.29	43	272696	111.869	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	237805	102.822	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	162428m	61.999	ug/l	
77) Bromobenzene	12.77	156	364624	102.922	ug/l	98
78) n-propylbenzene	12.83	91	1866043	108.521	ug/l	100
79) 2-Chlorotoluene	12.91	91	986108	106.983	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1335184	108.727	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	79302	114.147	ug/l	100
82) 4-Chlorotoluene	13.01	91	1039823	105.576	ug/l	99
83) tert-Butylbenzene	13.23	119	1177891	106.792	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	1335982	108.297	ug/l	99
85) sec-Butylbenzene	13.41	105	1638434	108.170	ug/l	99
86) p-Isopropyltoluene	13.52	119	1575775	110.723	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	743622	104.743	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	705481	100.803	ug/l	99
89) n-Butylbenzene	13.85	91	1429317	108.886	ug/l	97
90) Hexachloroethane	14.12	117	283628	106.447	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	622868	101.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	34298	101.542	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	459382	104.597	ug/l	100
94) Hexachlorobutadiene	15.27	225	266729	103.912	ug/l	99
95) Naphthalene	15.41	128	776608	108.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	396905	104.334	ug/l	95

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

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