

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064932.D
 Acq On : 23 Jan 2020 12:49
 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
 1/24/2020 4:02:00 PM

Quant Time: Jan 23 13:18:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	481138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	693947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	621125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	462008	107.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.02%	
35) Dibromofluoromethane	7.92	113	439954	102.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.24%	
50) Toluene-d8	10.34	98	1778983	107.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.36%	
62) 4-Bromofluorobenzene	12.64	95	547000	105.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	372517	100.102	ug/l	99
3) Chloromethane	2.21	50	512811	98.220	ug/l	97
4) Vinyl Chloride	2.35	62	608251	96.052	ug/l	99
5) Bromomethane	2.76	94	400388	88.132	ug/l	100
6) Chloroethane	2.92	64	398950	94.959	ug/l	95
7) Trichlorofluoromethane	3.27	101	939961	89.627	ug/l	98
8) Diethyl Ether	3.71	74	213831	100.629	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	437806	99.230	ug/l	99
10) Methyl Iodide	4.30	142	537122	113.705	ug/l	99
11) Tert butyl alcohol	5.26	59	132400	540.766	ug/l	98
12) 1,1-Dichloroethene	4.06	96	424884	101.192	ug/l	93
13) Acrolein	3.93	56	155947	470.371	ug/l	96
14) Allyl chloride	4.71	41	702588	106.604	ug/l	98
15) Acrylonitrile	5.43	53	477311	538.489	ug/l	99
16) Acetone	4.17	43	481881	543.120	ug/l	100
17) Carbon Disulfide	4.40	76	1387619	101.575	ug/l	98
18) Methyl Acetate	4.73	43	214426	91.573	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	993625	106.238	ug/l	98
20) Methylene Chloride	4.97	84	458184	90.886	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	495244	103.027	ug/l	98
22) Diisopropyl ether	6.37	45	1420029	108.066	ug/l	97
23) Vinyl Acetate	6.31	43	4330481	579.303	ug/l	99
24) 1,1-Dichloroethane	6.27	63	825680	104.523	ug/l	98
25) 2-Butanone	7.23	43	665776	565.121	ug/l	99
26) 2,2-Dichloropropane	7.21	77	755157	103.198	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	532562	103.262	ug/l	100
28) Bromochloromethane	7.55	49	343110	109.995	ug/l	98
29) Tetrahydrofuran	7.57	42	401876	552.665	ug/l	99
30) Chloroform	7.71	83	852133	103.017	ug/l	98
31) Cyclohexane	7.99	56	782596	98.939	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	800223	103.036	ug/l	99
36) 1,1-Dichloropropene	8.12	75	706152	105.700	ug/l	99
37) Ethyl Acetate	7.30	43	287547	110.342	ug/l	99
38) Carbon Tetrachloride	8.10	117	737781	103.882	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	849873	105.585	ug/l	98
40) Benzene	8.36	78	1956813	107.218	ug/l	99
41) Methacrylonitrile	7.53	41	134276	87.928	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	560620	105.865	ug/l	99
43) Isopropyl Acetate	8.46	43	562209	108.275	ug/l	99
44) Trichloroethene	9.11	130	539816	101.725	ug/l	97
45) 1,2-Dichloropropane	9.39	63	459759	105.700	ug/l	97
46) Dibromomethane	9.48	93	249219	103.584	ug/l	99
47) Bromodichloromethane	9.67	83	659958	102.911	ug/l	100
48) Methyl methacrylate	9.46	41	263647	108.508	ug/l	97
49) 1,4-Dioxane	9.47	88	59172	2099.547	ug/l	91
51) 4-Methyl-2-Pentanone	10.24	43	1453202	562.278	ug/l	100
52) Toluene	10.41	92	1303597	109.322	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	658107	109.455	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	762675	107.882	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	338608	103.770	ug/l	97
56) Ethyl methacrylate	10.67	69	458196	112.709	ug/l	99
57) 1,3-Dichloropropane	10.95	76	588099	104.605	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	630066	418.308	ug/l	99
59) 2-Hexanone	10.99	43	1025065	582.957	ug/l	100
60) Dibromochloromethane	11.14	129	461022	102.852	ug/l	98
61) 1,2-Dibromoethane	11.25	107	332587	103.922	ug/l	98
64) Tetrachloroethene	10.88	164	465688	98.753	ug/l	98
65) Chlorobenzene	11.67	112	1318421	103.737	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	501822	104.242	ug/l	98
67) Ethyl Benzene	11.75	91	2472383	106.625	ug/l	98
68) m/p-Xylenes	11.86	106	1925091	215.622	ug/l	99
69) o-Xylene	12.18	106	854654	106.198	ug/l	98
70) Styrene	12.20	104	1535774	108.083	ug/l	99
71) Bromoform	12.37	173	278288	101.967	ug/l #	98
73) Isopropylbenzene	12.48	105	2333560	103.850	ug/l	99
74) N-amyl acetate	12.30	43	528409	109.717	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	360183	101.378	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	242210m	92.887	ug/l	
77) Bromobenzene	12.77	156	540660	98.191	ug/l	99
78) n-propylbenzene	12.83	91	2733674	103.948	ug/l	100
79) 2-Chlorotoluene	12.91	91	1479912	102.475	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1928583	104.763	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	129426	107.826	ug/l	97
82) 4-Chlorotoluene	13.01	91	1568889	102.275	ug/l	99
83) tert-Butylbenzene	13.23	119	1646395	103.151	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1916754	104.159	ug/l	100
85) sec-Butylbenzene	13.41	105	2289814	104.351	ug/l	99
86) p-Isopropyltoluene	13.52	119	2202854	105.122	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1075817	102.478	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1020147	99.036	ug/l	100
89) n-Butylbenzene	13.85	91	1979887	104.435	ug/l	98
90) Hexachloroethane	14.12	117	395520	98.816	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	883856	98.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60194	104.733	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	619168	94.984	ug/l	98
94) Hexachlorobutadiene	15.28	225	386111	94.236	ug/l	98
95) Naphthalene	15.41	128	1083357	104.743	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	539340	96.586	ug/l	99

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

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