

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064399.D
 Acq On : 27 Nov 2019 16:31
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:24 AM

Quant Time: Nov 29 07:41:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	519542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	736151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	637682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	332368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	650035	138.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.46%	
35) Dibromofluoromethane	7.92	113	635461	137.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.02%	
50) Toluene-d8	10.34	98	2519057	144.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.36%	
62) 4-Bromofluorobenzene	12.64	95	788580	140.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	623455	132.438	ug/l	100
3) Chloromethane	2.21	50	756233	127.365	ug/l	99
4) Vinyl Chloride	2.35	62	942855	137.532	ug/l	100
5) Bromomethane	2.74	94	682739	134.670	ug/l	97
6) Chloroethane	2.91	64	617885	134.844	ug/l	94
7) Trichlorofluoromethane	3.26	101	1546541	135.700	ug/l	97
8) Diethyl Ether	3.70	74	321435	135.727	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	658423	134.741	ug/l	98
10) Methyl Iodide	4.29	142	825500	159.969	ug/l	100
11) Tert butyl alcohol	5.26	59	207151	692.013	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	638052	136.252	ug/l	98
13) Acrolein	3.92	56	257575	630.845	ug/l	100
14) Allyl chloride	4.71	41	1008123	137.943	ug/l	99
15) Acrylonitrile	5.43	53	714165	689.606	ug/l	98
16) Acetone	4.17	43	684440	720.233	ug/l	99
17) Carbon Disulfide	4.40	76	2036799	137.330	ug/l	99
18) Methyl Acetate	4.72	43	390126	140.740	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1492185	138.913	ug/l	99
20) Methylene Chloride	4.96	84	645566	141.869	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	724660	136.804	ug/l	96
22) Diisopropyl ether	6.37	45	1995401	138.306	ug/l	97
23) Vinyl Acetate	6.31	43	6235396	733.106	ug/l	100
24) 1,1-Dichloroethane	6.27	63	1179263	135.915	ug/l	98
25) 2-Butanone	7.22	43	975240	725.664	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1065454	141.204	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	780081	135.079	ug/l	98
28) Bromochloromethane	7.55	49	461584	155.668	ug/l	99
29) Tetrahydrofuran	7.57	42	596378	697.487	ug/l	98
30) Chloroform	7.71	83	1223979	136.212	ug/l	99
31) Cyclohexane	7.98	56	1103841	155.390	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	1162429	139.533	ug/l	100
36) 1,1-Dichloropropene	8.11	75	993982	142.752	ug/l	99
37) Ethyl Acetate	7.30	43	423041	143.184	ug/l	99
38) Carbon Tetrachloride	8.10	117	1097111	149.290	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1254754	145.272	ug/l	97
40) Benzene	8.35	78	2747798	142.085	ug/l	99
41) Methacrylonitrile	7.53	41	202960	119.785	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	786143	139.392	ug/l	99
43) Isopropyl Acetate	8.46	43	839341	144.485	ug/l	99
44) Trichloroethene	9.11	130	811248	139.259	ug/l	99
45) 1,2-Dichloropropane	9.39	63	651980	140.966	ug/l	95
46) Dibromomethane	9.48	93	370877	142.077	ug/l	99
47) Bromodichloromethane	9.67	83	953807	142.203	ug/l	100
48) Methyl methacrylate	9.46	41	394543	148.423	ug/l	95
49) 1,4-Dioxane	9.47	88	90120	2795.753	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	2146838	746.901	ug/l	100
52) Toluene	10.41	92	1841508	146.112	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	943375	147.579	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	1084568	142.821	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	499138	139.643	ug/l	98
56) Ethyl methacrylate	10.67	69	681391	149.463	ug/l	99
57) 1,3-Dichloropropane	10.95	76	855193	140.551	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	1208424	664.935	ug/l	100
59) 2-Hexanone	10.99	43	1520273	762.245	ug/l	100
60) Dibromochloromethane	11.14	129	689283	142.228	ug/l	99
61) 1,2-Dibromoethane	11.25	107	502273	140.737	ug/l	99
64) Tetrachloroethene	10.88	164	705567	145.094	ug/l	99
65) Chlorobenzene	11.67	112	1903903	143.151	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	732405	148.757	ug/l	99
67) Ethyl Benzene	11.75	91	3498052	147.824	ug/l	99
68) m/p-Xylenes	11.86	106	2715802	300.996	ug/l	100
69) o-Xylene	12.18	106	1236585	148.396	ug/l	98
70) Styrene	12.20	104	2199561	151.896	ug/l	100
71) Bromoform	12.37	173	441036	149.725	ug/l #	98
73) Isopropylbenzene	12.48	105	3431451	143.550	ug/l	100
74) N-amyl acetate	12.30	43	795525	146.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	538060	136.113	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	360650m	131.947	ug/l	
77) Bromobenzene	12.77	156	825491	139.841	ug/l	99
78) n-propylbenzene	12.83	91	3925655	142.332	ug/l	100
79) 2-Chlorotoluene	12.91	91	2147717	141.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	2834673	145.112	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	192906	153.894	ug/l	98
82) 4-Chlorotoluene	13.01	91	2287652	142.369	ug/l	100
83) tert-Butylbenzene	13.23	119	2454822	144.548	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	2819346	143.533	ug/l	99
85) sec-Butylbenzene	13.41	105	3382909	145.136	ug/l	99
86) p-Isopropyltoluene	13.53	119	3252661	147.812	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1598539	142.677	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1545157	139.688	ug/l	99
89) n-Butylbenzene	13.86	91	2911435	145.691	ug/l	99
90) Hexachloroethane	14.12	117	584195	141.938	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	1348562	140.841	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	88842	160.055	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	982445	133.975	ug/l	98
94) Hexachlorobutadiene	15.28	225	635918	140.473	ug/l	99
95) Naphthalene	15.41	128	1724339	140.901	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	858965	137.225	ug/l	99

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

