

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060762.D
 Acq On : 18 Jan 2019 15:37
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 19 02:55:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 17 12:34:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	1492497	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.97	114	2219128	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.16	117	1724109	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.32	152	760187	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	2486980	241.12	ug/l	0.02
Spiked Amount	50.000		Recovery	=	482.24%	
35) Dibromofluoromethane	6.68	113	2370992	145.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	291.96%	
50) Toluene-d8	10.19	98	5911515	121.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	243.96%	
62) 4-Bromofluorobenzene	13.36	95	2459804	144.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	289.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	2404523	126.087	ug/l	97
3) Chloromethane	1.76	50	1525259	86.905	ug/l	99
4) Vinyl Chloride	1.85	62	1602650	115.015	ug/l	97
5) Bromomethane	2.13	94	284838	91.256	ug/l	92
6) Chloroethane	2.24	64	272853	65.614	ug/l	99
7) Trichlorofluoromethane	2.48	101	1851598	119.467	ug/l	96
8) Diethyl Ether	2.81	74	357590	137.903	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.05	101	1185516	117.922	ug/l	91
10) Methyl Iodide	3.21	142	1525146	144.348	ug/l #	70
11) Tert butyl alcohol	3.95	59	722229	1675.494	ug/l	100
12) 1,1-Dichloroethene	3.04	96	843349	102.093	ug/l #	62
13) Acrolein	2.96	56	272285	619.867	ug/l	97
14) Allyl chloride	3.50	41	2027239	133.745	ug/l #	77
15) Acrylonitrile	4.05	53	1874373	748.988	ug/l	96
16) Acetone	3.13	43	1842197	1022.742	ug/l	92
17) Carbon Disulfide	3.28	76	3232141	122.516	ug/l	98
18) Methyl Acetate	3.52	43	701801	157.212	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	4553691	217.281	ug/l	96
20) Methylene Chloride	3.68	84	2073254	110.833	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	1953049	115.448	ug/l #	75
22) Diisopropyl ether	4.89	45	6994519	135.910	ug/l #	85
23) Vinyl Acetate	4.83	43	18498147	742.937	ug/l	100
24) 1,1-Dichloroethane	4.77	63	4364242	161.221	ug/l	96
25) 2-Butanone	5.85	43	3262877	946.642	ug/l	95
26) 2,2-Dichloropropane	5.79	77	3764699	176.185	ug/l	87
27) cis-1,2-Dichloroethene	5.80	96	2057270	119.795	ug/l	68
28) Bromochloromethane	6.20	49	1715170	149.982	ug/l	91
29) Tetrahydrofuran	6.23	42	1638115	838.346	ug/l #	85
30) Chloroform	6.42	83	4605538	169.081	ug/l	99
31) Cyclohexane	6.72	56	3257519	125.046	ug/l	98
32) 1,1,1-Trichloroethane	6.64	97	4182395	185.592	ug/l	95
36) 1,1-Dichloropropene	6.91	75	3110212	136.109	ug/l	93
37) Ethyl Acetate	5.95	43	1524509	159.519	ug/l #	95
38) Carbon Tetrachloride	6.87	117	3582155	177.690	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.62	83	3106141	119.185	ug/l #	86
40) Benzene	7.22	78	7256233	122.934	ug/l	99
41) Methacrylonitrile	6.21	41	810653m	153.352	ug/l	
42) 1,2-Dichloroethane	7.34	62	3524943	240.649	ug/l	91
43) Isopropyl Acetate	9.01	43	2342945	191.041	ug/l #	93
44) Trichloroethene	8.31	130	2251754	128.891	ug/l	93
45) 1,2-Dichloropropane	8.71	63	1958113	135.272	ug/l	98
46) Dibromomethane	8.83	93	1430456	173.145	ug/l	89
47) Bromodichloromethane	9.15	83	3594139	183.678	ug/l	98
48) Methyl methacrylate	8.89	41	1454352	195.247	ug/l #	88
49) 1,4-Dioxane	8.86	88	275484	3977.637	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	6448228	858.175	ug/l	91
52) Toluene	10.29	92	4150349	112.164	ug/l	99
53) t-1,3-Dichloropropene	10.69	75	3074856	188.355	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	3400541	159.146	ug/l #	88
55) 1,1,2-Trichloroethane	10.98	97	1517788	152.451	ug/l	97
56) Ethyl methacrylate	10.83	69	1879127	203.208	ug/l	90
57) 1,3-Dichloropropane	11.19	76	2612711	165.565	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.64	63	4041135	741.663	ug/l	95
59) 2-Hexanone	11.32	43	4659849	885.997	ug/l	95
60) Dibromochloromethane	11.48	129	2336810	184.270	ug/l	99
61) 1,2-Dibromoethane	11.60	107	1821344	176.373	ug/l	99
64) Tetrachloroethene	11.05	164	1929919	123.501	ug/l	95
65) Chlorobenzene	12.19	112	4428347	116.255	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.31	131	1649173	134.653	ug/l	93
67) Ethyl Benzene	12.33	91	6383098	97.846	ug/l	97
68) m/p-Xylenes	12.46	106	4296192	180.204	ug/l	82
69) o-Xylene	12.85	106	2425644	107.242	ug/l	75
70) Styrene	12.88	104	3969445	108.965	ug/l #	88
71) Bromoform	13.03	173	1583256	195.836	ug/l	96
73) Isopropylbenzene	13.20	105	7214540	133.295	ug/l	94
74) N-amyl acetate	13.06	43	2753151	215.528	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.51	83	1665380	189.831	ug/l	98
76) 1,2,3-Trichloropropane	13.54	75	1863233	215.288	ug/l	98
77) Bromobenzene	13.47	156	2130937	149.126	ug/l	84
78) n-propylbenzene	13.58	91	8722076	126.052	ug/l	97
79) 2-Chlorotoluene	13.64	91	5470109	147.597	ug/l	92
80) 1,3,5-Trimethylbenzene	14.04	105	5518322	132.036	ug/l	82
81) trans-1,4-Dichloro-2-buten	13.27	75	605907	253.361	ug/l #	81
82) 4-Chlorotoluene	13.75	91	5048295	120.178	ug/l	97
83) tert-Butylbenzene	13.99	119	5910437	124.262	ug/l	76
84) 1,2,4-Trimethylbenzene	14.04	105	5518322	128.198	ug/l	89
85) sec-Butylbenzene	14.18	105	7208827	124.276	ug/l	98
86) p-Isopropyltoluene	14.29	119	5857492	125.097	ug/l	87
87) 1,3-Dichlorobenzene	14.26	146	3490718	133.073	ug/l	95
88) 1,4-Dichlorobenzene	14.34	146	3359518	129.969	ug/l	94
89) n-Butylbenzene	14.60	91	4753167	99.337	ug/l	97
90) Hexachloroethane	14.81	117	1815180	157.802	ug/l	78
91) 1,2-Dichlorobenzene	14.62	146	2177789	103.496	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.18	75	358643	347.977	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	2482108	148.240	ug/l	97
94) Hexachlorobutadiene	15.84	225	1642047	132.677	ug/l	100
95) Naphthalene	15.93	128	4085613	205.302	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	2016776	154.082	ug/l	97

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

