

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060758.D
 Acq On : 18 Jan 2019 12:51
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jan 19 02:44:52 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	1512468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	2157732	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	1734161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	832772	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.21	65	1303380	124.70	ug/l	0.02
Spiked Amount	50.000		Recovery	=	249.40%	
35) Dibromofluoromethane	6.67	113	1236316	78.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.56%	
50) Toluene-d8	10.19	98	3203369	67.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	135.96%	
62) 4-Bromofluorobenzene	13.36	95	1429643	86.63	ug/l	0.02
Spiked Amount	50.000		Recovery	=	173.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	1220160	63.137	ug/l	100
3) Chloromethane	1.76	50	669670	37.652	ug/l	98
4) Vinyl Chloride	1.85	62	726087	51.420	ug/l	100
5) Bromomethane	2.13	94	163615	51.727	ug/l	95
6) Chloroethane	2.24	64	196648	46.664	ug/l	96
7) Trichlorofluoromethane	2.49	101	1184418	75.411	ug/l	97
8) Diethyl Ether	2.80	74	194695	74.092	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.06	101	607968	59.675	ug/l	89
10) Methyl Iodide	3.21	142	724513	67.666	ug/l #	73
11) Tert butyl alcohol	3.91	59	391861	897.072	ug/l	98
12) 1,1-Dichloroethene	3.04	96	430256	51.398	ug/l #	64
13) Acrolein	2.95	56	144993	325.723	ug/l	97
14) Allyl chloride	3.49	41	930192	60.558	ug/l #	75
15) Acrylonitrile	4.03	53	1046077	412.486	ug/l	94
16) Acetone	3.13	43	829325	454.341	ug/l #	90
17) Carbon Disulfide	3.27	76	1561833	58.421	ug/l	98
18) Methyl Acetate	3.52	43	313071	69.206	ug/l	100
19) Methyl tert-butyl Ether	4.07	73	2428542	114.349	ug/l	96
20) Methylene Chloride	3.68	84	1026020	54.125	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	1028021	59.965	ug/l #	81
22) Diisopropyl ether	4.89	45	3615114	69.317	ug/l	93
23) Vinyl Acetate	4.83	43	9647910	382.370	ug/l	99
24) 1,1-Dichloroethane	4.76	63	2102916	76.659	ug/l	97
25) 2-Butanone	5.83	43	1681055	481.276	ug/l	93
26) 2,2-Dichloropropane	5.78	77	1884480	87.028	ug/l	88
27) cis-1,2-Dichloroethene	5.79	96	1084266	62.303	ug/l	72
28) Bromochloromethane	6.19	49	762739	65.816	ug/l	99
29) Tetrahydrofuran	6.23	42	798879	403.448	ug/l #	85
30) Chloroform	6.41	83	2222364	80.511	ug/l	100
31) Cyclohexane	6.71	56	1762378	66.759	ug/l	99
32) 1,1,1-Trichloroethane	6.62	97	2016658	88.307	ug/l	96
36) 1,1-Dichloropropene	6.91	75	1594733	71.774	ug/l	93
37) Ethyl Acetate	5.93	43	812344	87.420	ug/l #	96
38) Carbon Tetrachloride	6.87	117	1730708	88.293	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	1582864	62.464	ug/l	89
40) Benzene	7.21	78	3808255	66.355	ug/l	99
41) Methacrylonitrile	6.20	41	367213m	71.442	ug/l	
42) 1,2-Dichloroethane	7.34	62	1603351	112.576	ug/l	91
43) Isopropyl Acetate	9.00	43	1197405	100.413	ug/l #	94
44) Trichloroethene	8.30	130	1193821	70.279	ug/l	96
45) 1,2-Dichloropropane	8.70	63	978842	69.545	ug/l	94
46) Dibromomethane	8.83	93	675651	84.109	ug/l	95
47) Bromodichloromethane	9.14	83	1729723	90.913	ug/l	99
48) Methyl methacrylate	8.89	41	719557	99.349	ug/l	87
49) 1,4-Dioxane	8.85	88	130440	1936.977	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	3456584	473.116	ug/l	89
52) Toluene	10.28	92	2306703	64.113	ug/l	100
53) t-1,3-Dichloropropene	10.69	75	1562735	98.451	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	1766578	85.029	ug/l	93
55) 1,1,2-Trichloroethane	10.96	97	759206	78.427	ug/l	99
56) Ethyl methacrylate	10.82	69	1004026	111.664	ug/l	94
57) 1,3-Dichloropropane	11.19	76	1253410	81.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.62	63	1768805	333.863	ug/l	96
59) 2-Hexanone	11.32	43	2559062	500.410	ug/l	93
60) Dibromochloromethane	11.46	129	1180619	95.747	ug/l	98
61) 1,2-Dibromoethane	11.59	107	880923	87.733	ug/l	96
64) Tetrachloroethene	11.03	164	1004725	63.923	ug/l	93
65) Chlorobenzene	12.18	112	2473612	64.562	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	991091	80.452	ug/l	93
67) Ethyl Benzene	12.31	91	4205103	64.086	ug/l	95
68) m/p-Xylenes	12.46	106	2739919	114.260	ug/l	83
69) o-Xylene	12.84	106	1260303	55.397	ug/l	75
70) Styrene	12.87	104	2094837	57.172	ug/l #	90
71) Bromoform	13.03	173	757082	93.102	ug/l	96
73) Isopropylbenzene	13.20	105	4009274	67.619	ug/l	97
74) N-amyl acetate	13.06	43	1426025	101.905	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.50	83	940519	97.863	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	1060371	111.842	ug/l	100
77) Bromobenzene	13.46	156	1135321	72.527	ug/l	82
78) n-propylbenzene	13.57	91	5117494	67.512	ug/l	98
79) 2-Chlorotoluene	13.64	91	3184830	78.444	ug/l	94
80) 1,3,5-Trimethylbenzene	14.03	105	3361539	73.420	ug/l	85
81) trans-1,4-Dichloro-2-buten	13.27	75	295695	112.868	ug/l #	82
82) 4-Chlorotoluene	13.75	91	3134234	68.109	ug/l	100
83) tert-Butylbenzene	13.99	119	3411159	65.466	ug/l	88
84) 1,2,4-Trimethylbenzene	14.03	105	3361539	71.287	ug/l	92
85) sec-Butylbenzene	14.17	105	4263679	67.097	ug/l	97
86) p-Isopropyltoluene	14.29	119	3578015	69.754	ug/l	90
87) 1,3-Dichlorobenzene	14.26	146	1938600	67.462	ug/l	96
88) 1,4-Dichlorobenzene	14.34	146	1978062	69.855	ug/l	95
89) n-Butylbenzene	14.60	91	3057857	58.336	ug/l	97
90) Hexachloroethane	14.81	117	1022272	81.125	ug/l	98
91) 1,2-Dichlorobenzene	14.62	146	1418134	61.521	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.19	75	177916	157.579	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	1382714	75.383	ug/l	96
94) Hexachlorobutadiene	15.84	225	1002445	73.938	ug/l	99
95) Naphthalene	15.92	128	2396165	109.913	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	1250724	87.227	ug/l	97

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

