

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080919\
 Data File : VD063470.D
 Acq On : 9 Aug 2019 13:35
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 10 06:42:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:37:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1130122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1672653	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1324015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	715110	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	59607	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
35) Dibromofluoromethane	6.93	113	62317	4.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.84%	
50) Toluene-d8	10.42	98	140493	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
62) 4-Bromofluorobenzene	13.57	95	68975	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	67868	4.964	ug/l #	72
3) Chloromethane	1.75	50	58717	5.497	ug/l	97
4) Vinyl Chloride	1.85	62	51052	4.814	ug/l #	82
5) Bromomethane	2.16	94	27604	5.517	ug/l #	89
6) Chloroethane	2.28	64	25310	5.219	ug/l	98
7) Trichlorofluoromethane	2.54	101	103451	4.973	ug/l	91
8) Diethyl Ether	2.88	74	15942	5.428	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	64019	5.212	ug/l	95
10) Methyl Iodide	3.31	142	71641	4.122	ug/l #	78
11) Tert butyl alcohol	4.10	59	11115	21.136	ug/l #	71
12) 1,1-Dichloroethene	3.13	96	45862	5.022	ug/l #	88
13) Acrolein	3.04	56	12099	23.374	ug/l #	72
14) Allyl chloride	3.63	41	70880	5.163	ug/l	94
15) Acrylonitrile	4.22	53	33736	24.220	ug/l #	94
16) Acetone	3.24	43	54788	22.311	ug/l #	89
17) Carbon Disulfide	3.39	76	143112	4.966	ug/l	98
18) Methyl Acetate	3.65	43	25475	5.477	ug/l #	79
19) Methyl tert-butyl Ether	4.24	73	82416	4.513	ug/l #	82
20) Methylene Chloride	3.82	84	65751	6.192	ug/l #	92
21) trans-1,2-Dichloroethene	4.22	96	42399	4.412	ug/l	94
22) Diisopropyl ether	5.13	45	138154	4.877	ug/l	95
23) Vinyl Acetate	5.07	43	370150	22.476	ug/l	97
24) 1,1-Dichloroethane	4.99	63	80095	4.559	ug/l	98
25) 2-Butanone	6.10	43	52156	21.505	ug/l	98
26) 2,2-Dichloropropane	6.05	77	86197	4.926	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	48821	4.644	ug/l	94
28) Bromochloromethane	6.45	49	34631	4.863	ug/l	86
29) Tetrahydrofuran	6.48	42	27521	24.352	ug/l	98
30) Chloroform	6.68	83	112063	5.131	ug/l	90
31) Cyclohexane	6.96	56	53117	4.870	ug/l #	89
32) 1,1,1-Trichloroethane	6.89	97	99386	4.757	ug/l	91
36) 1,1-Dichloropropene	7.16	75	69743	4.717	ug/l	89
37) Ethyl Acetate	6.20	43	27615	4.457	ug/l	96
38) Carbon Tetrachloride	7.12	117	106365	4.773	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	54408	4.327	ug/l	88
40) Benzene	7.47	78	146465	4.501	ug/l #	88
41) Methacrylonitrile	6.45	41	33233	4.260	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	74893	4.577	ug/l	98
43) Isopropyl Acetate	9.26	43	34429	4.149	ug/l #	94
44) Trichloroethene	8.55	130	59990	4.823	ug/l	78
45) 1,2-Dichloropropane	8.95	63	33532	4.425	ug/l	99
46) Dibromomethane	9.08	93	29276	4.524	ug/l #	80
47) Bromodichloromethane	9.38	83	71997	4.337	ug/l	95
48) Methyl methacrylate	9.14	41	24592	4.370	ug/l	94
49) 1,4-Dioxane	9.10	88	2927	64.748	ug/l #	41
51) 4-Methyl-2-Pentanone	10.31	43	126645	22.303	ug/l	95
52) Toluene	10.52	92	97808	4.667	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	59192	4.369	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	65968	4.319	ug/l	88
55) 1,1,2-Trichloroethane	11.20	97	32066	4.529	ug/l	94
56) Ethyl methacrylate	11.06	69	30402	3.956	ug/l	94
57) 1,3-Dichloropropane	11.42	76	47868	4.473	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.88	63	83746	20.643	ug/l	97
59) 2-Hexanone	11.55	43	80715	19.535	ug/l	94
60) Dibromochloromethane	11.70	129	54490	4.230	ug/l	88
61) 1,2-Dibromoethane	11.81	107	38112	4.447	ug/l	93
64) Tetrachloroethene	11.26	164	48201	4.716	ug/l	87
65) Chlorobenzene	12.41	112	127075	5.121	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	51512	4.717	ug/l	95
67) Ethyl Benzene	12.53	91	214864	4.980	ug/l	97
68) m/p-Xylenes	12.67	106	143384	9.459	ug/l	91
69) o-Xylene	13.06	106	67764	4.645	ug/l	92
70) Styrene	13.07	104	130844	5.042	ug/l	98
71) Bromoform	13.24	173	31734	4.238	ug/l	92
73) Isopropylbenzene	13.41	105	209006	4.595	ug/l	90
74) N-amyl acetate	13.27	43	54102	4.738	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	13.71	83	32602	4.318	ug/l	83
76) 1,2,3-Trichloropropane	13.73	75	38633	4.707	ug/l	95
77) Bromobenzene	13.68	156	57926	4.660	ug/l	89
78) n-propylbenzene	13.77	91	259990	4.885	ug/l	90
79) 2-Chlorotoluene	13.84	91	152844	4.981	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	193321	4.864	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	9604	4.354	ug/l	83
82) 4-Chlorotoluene	13.95	91	183584	4.975	ug/l	96
83) tert-Butylbenzene	14.20	119	205815	4.918	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	184118	5.007	ug/l	89
85) sec-Butylbenzene	14.37	105	231172	5.201	ug/l	99
86) p-Isopropyltoluene	14.49	119	209942	4.940	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	112784	5.016	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	104392	4.839	ug/l	96
89) n-Butylbenzene	14.81	91	202331	5.217	ug/l	99
90) Hexachloroethane	15.01	117	51015	4.776	ug/l	84
91) 1,2-Dichlorobenzene	14.82	146	99331	5.207	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	6318	4.444	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	66771	4.757	ug/l	92
94) Hexachlorobutadiene	16.04	225	54155	5.062	ug/l	96
95) Naphthalene	16.13	128	97530	4.584	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	52777	4.655	ug/l	86

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

