

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062640.D
 Acq On : 7 Jun 2019 13:09
 Operator : FY/SY
 Sample : VSTDIC100
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:17:24 AM

Quant Time: Jun 07 23:47:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	704901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	915495	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	814885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	418229	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	1151168	112.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.48%	
35) Dibromofluoromethane	6.92	113	1112063	115.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	230.30%	
50) Toluene-d8	10.41	98	2459531	119.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	239.22%	
62) 4-Bromofluorobenzene	13.55	95	1111413	113.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	783766	86.387	ug/l	99
3) Chloromethane	1.75	50	643211	90.523	ug/l	97
4) Vinyl Chloride	1.85	62	732426	102.023	ug/l	97
5) Bromomethane	2.14	94	352636	97.923	ug/l	93
6) Chloroethane	2.25	64	370087	99.772	ug/l	94
7) Trichlorofluoromethane	2.52	101	1561146	95.682	ug/l	99
8) Diethyl Ether	2.87	74	237368	106.682	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.14	101	907346	100.280	ug/l	98
10) Methyl Iodide	3.29	142	1327165	115.056	ug/l	95
11) Tert butyl alcohol	4.08	59	220766	495.930	ug/l #	84
12) 1,1-Dichloroethene	3.12	96	641669	101.778	ug/l	98
13) Acrolein	3.03	56	65146	529.521	ug/l	97
14) Allyl chloride	3.61	41	1040471	107.344	ug/l	92
15) Acrylonitrile	4.20	53	532340	552.358	ug/l	99
16) Acetone	3.22	43	1019120	534.739	ug/l	95
17) Carbon Disulfide	3.36	76	2036492	108.102	ug/l	100
18) Methyl Acetate	3.63	43	288427	92.997	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	1634855	105.153	ug/l	97
20) Methylene Chloride	3.81	84	709196	99.782	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	756283	107.094	ug/l	96
22) Diisopropyl ether	5.12	45	2198259	110.804	ug/l	95
23) Vinyl Acetate	5.06	43	6795019	542.806	ug/l	98
24) 1,1-Dichloroethane	4.98	63	1434584	109.512	ug/l	98
25) 2-Butanone	6.07	43	1000265	538.469	ug/l	99
26) 2,2-Dichloropropane	6.01	77	1598462	105.474	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	815864	108.564	ug/l	97
28) Bromochloromethane	6.43	49	555857	118.501	ug/l	96
29) Tetrahydrofuran	6.45	42	443081	530.049	ug/l	99
30) Chloroform	6.66	83	1744714	103.466	ug/l	93
31) Cyclohexane	6.95	56	874839	108.962	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	1785696	104.711	ug/l	100
36) 1,1-Dichloropropene	7.14	75	1213910	111.333	ug/l	99
37) Ethyl Acetate	6.18	43	462358	97.270	ug/l #	94
38) Carbon Tetrachloride	7.10	117	1872728m	108.815	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	997698	114.984	ug/l	95
40) Benzene	7.45	78	2374594	114.328	ug/l	98
41) Methacrylonitrile	6.44	41	601164	105.526	ug/l	96
42) 1,2-Dichloroethane	7.58	62	1348569	108.264	ug/l	97
43) Isopropyl Acetate	9.24	43	633736	113.542	ug/l	97
44) Trichloroethene	8.53	130	957456	111.676	ug/l	91
45) 1,2-Dichloropropane	8.94	63	562074	111.551	ug/l	98
46) Dibromomethane	9.06	93	494350	109.549	ug/l	90
47) Bromodichloromethane	9.37	83	1361571	111.134	ug/l	96
48) Methyl methacrylate	9.12	41	437171	105.213	ug/l #	92
49) 1,4-Dioxane	9.09	88	70594	2150.691	ug/l #	87
51) 4-Methyl-2-Pentanone	10.30	43	2167050	546.788	ug/l	98
52) Toluene	10.51	92	1561942	109.901	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	1165297	115.551	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	1167300	111.865	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	516787	108.823	ug/l	95
56) Ethyl methacrylate	11.04	69	601191	115.817	ug/l	95
57) 1,3-Dichloropropane	11.41	76	841446	112.665	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	1342563	514.625	ug/l	96
59) 2-Hexanone	11.53	43	1627596	545.589	ug/l	97
60) Dibromochloromethane	11.68	129	1055055	111.853	ug/l	98
61) 1,2-Dibromoethane	11.80	107	618622	107.415	ug/l	94
64) Tetrachloroethene	11.26	164	853578	110.330	ug/l	96
65) Chlorobenzene	12.40	112	1980043	108.465	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	890601	101.812	ug/l	95
67) Ethyl Benzene	12.52	91	3223583	99.325	ug/l	99
68) m/p-Xylenes	12.67	106	2345983	206.018	ug/l	96
69) o-Xylene	13.05	106	1164536	108.953	ug/l	94
70) Styrene	13.07	104	2059710	108.073	ug/l	97
71) Bromoform	13.24	173	666479	109.615	ug/l	97
73) Isopropylbenzene	13.40	105	3286957	107.935	ug/l	98
74) N-amyl acetate	13.27	43	913453	111.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	577838	112.151	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	661590	114.658	ug/l	99
77) Bromobenzene	13.67	156	935317	109.162	ug/l	96
78) n-propylbenzene	13.78	91	4029018	109.291	ug/l	94
79) 2-Chlorotoluene	13.84	91	2380476	110.682	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	2885177	108.552	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	179960	121.078	ug/l #	96
82) 4-Chlorotoluene	13.95	91	2757899	106.582	ug/l	99
83) tert-Butylbenzene	14.19	119	3091273	104.246	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	2613255	97.868	ug/l	96
85) sec-Butylbenzene	14.37	105	3289536	106.673	ug/l	98
86) p-Isopropyltoluene	14.49	119	3285539	109.820	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1659999	104.741	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	1579400	106.097	ug/l	97
89) n-Butylbenzene	14.79	91	2988173	109.623	ug/l	99
90) Hexachloroethane	15.01	117	884320	112.217	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	1435694	110.223	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	118693	104.318	ug/l #	42

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	1131837	114.537	ug/l	96
94) Hexachlorobutadiene	16.03	225	886803	113.650	ug/l	99
95) Naphthalene	16.12	128	1599136	116.482	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	866624	115.754	ug/l	98

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

