

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062580.D
 Acq On : 3 Jun 2019 12:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:48:13 AM

Quant Time: Jun 04 05:58:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	819055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1101176	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	919689	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	537865	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	480970	50.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	6.92	113	505705	50.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.42	98	993752	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
62) 4-Bromofluorobenzene	13.56	95	454352	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	458255	48.240	ug/l	92
3) Chloromethane	1.74	50	376728	40.701	ug/l	99
4) Vinyl Chloride	1.85	62	379714	52.328	ug/l	94
5) Bromomethane	2.15	94	196840	83.532	ug/l	95
6) Chloroethane	2.27	64	191496	56.276	ug/l	94
7) Trichlorofluoromethane	2.53	101	825522	53.833	ug/l	99
8) Diethyl Ether	2.87	74	114575	58.243	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	471159	52.029	ug/l	96
10) Methyl Iodide	3.30	142	642400	62.519	ug/l	94
11) Tert butyl alcohol	4.08	59	109811	268.080	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	334720	52.250	ug/l	97
13) Acrolein	3.03	56	50634	283.697	ug/l	92
14) Allyl chloride	3.62	41	553799	55.342	ug/l	98
15) Acrylonitrile	4.20	53	270445	276.186	ug/l	93
16) Acetone	3.22	43	504805	267.528	ug/l	97
17) Carbon Disulfide	3.37	76	1048180	50.336	ug/l	100
18) Methyl Acetate	3.64	43	138278	44.899	ug/l #	89
19) Methyl tert-butyl Ether	4.24	73	852913	54.961	ug/l	99
20) Methylene Chloride	3.81	84	355483	50.893	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	406519	55.918	ug/l	92
22) Diisopropyl ether	5.13	45	1070174	52.349	ug/l	97
23) Vinyl Acetate	5.05	43	3470446	279.932	ug/l	97
24) 1,1-Dichloroethane	4.98	63	710805	53.880	ug/l	98
25) 2-Butanone	6.08	43	475677	267.670	ug/l	95
26) 2,2-Dichloropropane	6.03	77	807962	55.206	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	393491	52.656	ug/l	97
28) Bromochloromethane	6.44	49	231708	50.829	ug/l	99
29) Tetrahydrofuran	6.47	42	212497	266.940	ug/l	97
30) Chloroform	6.67	83	908239	57.133	ug/l	93
31) Cyclohexane	6.95	56	486847	54.583	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	953902	57.658	ug/l	97
36) 1,1-Dichloropropene	7.15	75	585589	53.421	ug/l	97
37) Ethyl Acetate	6.18	43	228073	49.351	ug/l	96
38) Carbon Tetrachloride	7.11	117	970615m	59.473	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	488819	52.670	ug/l	98
40) Benzene	7.45	78	1159113	53.876	ug/l	97
41) Methacrylonitrile	6.45	41	288539	53.057	ug/l	98
42) 1,2-Dichloroethane	7.58	62	689654	57.547	ug/l	96
43) Isopropyl Acetate	9.25	43	327619	56.959	ug/l #	95
44) Trichloroethene	8.55	130	481432	56.012	ug/l	98
45) 1,2-Dichloropropane	8.94	63	283994	53.841	ug/l	98
46) Dibromomethane	9.06	93	247842	55.940	ug/l	93
47) Bromodichloromethane	9.37	83	680226	55.722	ug/l	99
48) Methyl methacrylate	9.12	41	215413	56.230	ug/l	94
49) 1,4-Dioxane	9.10	88	38865	1249.009	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	1085231	270.437	ug/l	96
52) Toluene	10.51	92	810071	55.206	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	574436	55.695	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	609635	56.853	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	261697	54.316	ug/l	96
56) Ethyl methacrylate	11.05	69	286727	55.835	ug/l	98
57) 1,3-Dichloropropane	11.41	76	410235	55.233	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	693936	263.480	ug/l	98
59) 2-Hexanone	11.54	43	803730	285.545	ug/l	99
60) Dibromochloromethane	11.69	129	535445	57.188	ug/l	99
61) 1,2-Dibromoethane	11.81	107	333573	57.553	ug/l	100
64) Tetrachloroethene	11.26	164	408622	50.261	ug/l	95
65) Chlorobenzene	12.41	112	992735	55.409	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	459233	54.198	ug/l	94
67) Ethyl Benzene	12.52	91	1720111	52.401	ug/l	100
68) m/p-Xylenes	12.67	106	1282599	112.950	ug/l	99
69) o-Xylene	13.06	106	559724	51.671	ug/l	94
70) Styrene	13.08	104	956990	52.031	ug/l	97
71) Bromoform	13.23	173	327147	55.000	ug/l #	90
73) Isopropylbenzene	13.40	105	1765272	49.783	ug/l	96
74) N-amyl acetate	13.26	43	459377	50.809	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	287528	51.128	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	339145	52.557	ug/l	99
77) Bromobenzene	13.68	156	513459	52.813	ug/l	98
78) n-propylbenzene	13.77	91	2263659	55.384	ug/l	98
79) 2-Chlorotoluene	13.84	91	1288095	54.352	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1622867	53.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	96771	52.337	ug/l	88
82) 4-Chlorotoluene	13.95	91	1535432	54.118	ug/l	98
83) tert-Butylbenzene	14.19	119	1741255	51.502	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1545294	50.050	ug/l	97
85) sec-Butylbenzene	14.36	105	1785399	49.850	ug/l	96
86) p-Isopropyltoluene	14.49	119	1827141	54.604	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	919114	54.537	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	864838	51.208	ug/l	97
89) n-Butylbenzene	14.80	91	1651566	55.290	ug/l	97
90) Hexachloroethane	15.01	117	462462	52.094	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	773104	54.531	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	58988	50.586	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	578191	51.004	ug/l	99
94) Hexachlorobutadiene	16.04	225	464999	55.565	ug/l	98
95) Naphthalene	16.13	128	796318	51.581	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	440087	51.971	ug/l	96

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

