

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062978.D
 Acq On : 28 Jun 2019 20:52
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 29 01:17:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	763271	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	1050545	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	943404	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	503711	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	434314	52.35	ug/l	-0.04
Spiked Amount			Recovery	=	104.70%	
35) Dibromofluoromethane	6.89	113	433349	48.92	ug/l	-0.04
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	10.39	98	976625	50.66	ug/l	-0.03
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	13.54	95	478608	54.60	ug/l	-0.02
Spiked Amount			Recovery	=	109.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	459470	46.519	ug/l	93
3) Chloromethane	1.74	50	324034	43.622	ug/l	98
4) Vinyl Chloride	1.83	62	345524	46.915	ug/l	96
5) Bromomethane	2.14	94	164891	47.807	ug/l	97
6) Chloroethane	2.25	64	184871	55.444	ug/l	93
7) Trichlorofluoromethane	2.51	101	790012	53.002	ug/l	97
8) Diethyl Ether	2.85	74	113646	60.009	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.11	101	409279	50.685	ug/l #	87
10) Methyl Iodide	3.27	142	520225	48.833	ug/l	95
11) Tert butyl alcohol	4.06	59	114739	303.649	ug/l #	94
12) 1,1-Dichloroethene	3.10	96	304702	50.301	ug/l	95
13) Acrolein	3.02	56	71488	185.318	ug/l	99
14) Allyl chloride	3.60	41	460647	51.465	ug/l	94
15) Acrylonitrile	4.18	53	257887	290.450	ug/l	91
16) Acetone	3.20	43	483028	288.160	ug/l	97
17) Carbon Disulfide	3.35	76	881398	45.527	ug/l	96
18) Methyl Acetate	3.62	43	179081	71.502	ug/l #	92
19) Methyl tert-butyl Ether	4.21	73	788555	60.133	ug/l	98
20) Methylene Chloride	3.78	84	325916	51.509	ug/l	91
21) trans-1,2-Dichloroethene	4.19	96	340566	52.801	ug/l	88
22) Diisopropyl ether	5.08	45	1038609	57.058	ug/l	97
23) Vinyl Acetate	5.02	43	3261967	286.384	ug/l	100
24) 1,1-Dichloroethane	4.94	63	637922	53.827	ug/l	98
25) 2-Butanone	6.05	43	500498	322.543	ug/l	95
26) 2,2-Dichloropropane	5.99	77	638127	50.799	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	374343	54.883	ug/l	97
28) Bromochloromethane	6.41	49	235612	56.447	ug/l	97
29) Tetrahydrofuran	6.43	42	223488	304.405	ug/l	98
30) Chloroform	6.64	83	840901	58.343	ug/l	97
31) Cyclohexane	6.92	56	375305	48.171	ug/l	98
32) 1,1,1-Trichloroethane	6.84	97	850955	56.684	ug/l	93
36) 1,1-Dichloropropene	7.11	75	533338	53.629	ug/l	99
37) Ethyl Acetate	6.16	43	239343	57.457	ug/l #	92
38) Carbon Tetrachloride	7.08	117	818428m	54.720	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	441123	50.392	ug/l	96
40) Benzene	7.43	78	1042265	52.211	ug/l	95
41) Methacrylonitrile	6.41	41	315166	60.094	ug/l #	98
42) 1,2-Dichloroethane	7.55	62	669531	61.481	ug/l	99
43) Isopropyl Acetate	9.22	43	314596	60.340	ug/l #	93
44) Trichloroethene	8.52	130	435342	55.627	ug/l	94
45) 1,2-Dichloropropane	8.91	63	273723	55.144	ug/l	98
46) Dibromomethane	9.04	93	259936	60.961	ug/l	89
47) Bromodichloromethane	9.36	83	670136	60.515	ug/l	97
48) Methyl methacrylate	9.10	41	227838	61.494	ug/l	88
49) 1,4-Dioxane	9.06	88	40496	1313.745	ug/l #	91
51) 4-Methyl-2-Pentanone	10.28	43	1170516	316.652	ug/l	96
52) Toluene	10.49	92	767961	57.230	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	538969	59.463	ug/l	99
54) cis-1,3-Dichloropropene	10.01	75	566856	57.539	ug/l	100
55) 1,1,2-Trichloroethane	11.17	97	273673	59.363	ug/l	94
56) Ethyl methacrylate	11.02	69	307503	62.414	ug/l	96
57) 1,3-Dichloropropane	11.38	76	442933	62.748	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	673686	266.345	ug/l	96
59) 2-Hexanone	11.51	43	883044	335.423	ug/l	95
60) Dibromochloromethane	11.67	129	524620	61.094	ug/l	99
61) 1,2-Dibromoethane	11.79	107	347278	63.781	ug/l	92
64) Tetrachloroethene	11.24	164	436035	56.158	ug/l	98
65) Chlorobenzene	12.39	112	939916	53.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	451755	55.173	ug/l	89
67) Ethyl Benzene	12.51	91	1643330	52.278	ug/l	98
68) m/p-Xylenes	12.65	106	1143440	104.439	ug/l	99
69) o-Xylene	13.04	106	545577	54.511	ug/l	99
70) Styrene	13.06	104	983308	55.935	ug/l	96
71) Bromoform	13.22	173	343176	61.173	ug/l	93
73) Isopropylbenzene	13.39	105	1548475	47.945	ug/l	98
74) N-amyl acetate	13.25	43	485422	61.890	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	328153	62.360	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	358707	61.687	ug/l	98
77) Bromobenzene	13.66	156	505734	58.218	ug/l	95
78) n-propylbenzene	13.77	91	2004541	53.325	ug/l	97
79) 2-Chlorotoluene	13.82	91	1231610	57.331	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	1578283	58.178	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	91778	60.221	ug/l	96
82) 4-Chlorotoluene	13.93	91	1502936	58.112	ug/l	95
83) tert-Butylbenzene	14.18	119	1520758	50.292	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1466224	52.732	ug/l	97
85) sec-Butylbenzene	14.36	105	1705785	51.902	ug/l	96
86) p-Isopropyltoluene	14.48	119	1602440	53.297	ug/l	95
87) 1,3-Dichlorobenzene	14.44	146	897391	57.628	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	835442	53.415	ug/l	97
89) n-Butylbenzene	14.79	91	1427560	50.729	ug/l	97
90) Hexachloroethane	15.00	117	432575	53.510	ug/l	85
91) 1,2-Dichlorobenzene	14.80	146	745068	55.923	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	63272	61.603	ug/l #	51

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	590951	56.781	ug/l	96
94) Hexachlorobutadiene	16.03	225	436561	54.907	ug/l	98
95) Naphthalene	16.11	128	870908	59.704	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	471053	58.908	ug/l	96

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

