

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061200.D
 Acq On : 20 Mar 2019 11:14
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 22 01:57:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	680016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1100154	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	862775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	391596	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	245658	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	
35) Dibromofluoromethane	6.92	113	387670	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
50) Toluene-d8	10.40	98	933386	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	
62) 4-Bromofluorobenzene	13.55	95	343272	43.15	ug/l	0.00
Spiked Amount			Recovery	=	86.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	297581	44.178	ug/l	99
3) Chloromethane	1.76	50	252459	44.991	ug/l	96
4) Vinyl Chloride	1.86	62	244831	47.219	ug/l	96
5) Bromomethane	2.16	94	40840	43.179	ug/l	88
6) Chloroethane	2.27	64	77342	49.835	ug/l	91
7) Trichlorofluoromethane	2.53	101	370046	49.681	ug/l	96
8) Diethyl Ether	2.87	74	124644	50.726	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	399331	47.953	ug/l	99
10) Methyl Iodide	3.31	142	563126	49.156	ug/l	98
11) Tert butyl alcohol	4.06	59	97965	271.862	ug/l	98
12) 1,1-Dichloroethene	3.13	96	318638	46.680	ug/l	96
13) Acrolein	3.04	56	124199	238.207	ug/l	99
14) Allyl chloride	3.62	41	502948	46.051	ug/l	94
15) Acrylonitrile	4.18	53	304352	238.972	ug/l	99
16) Acetone	3.22	43	410332	253.506	ug/l	99
17) Carbon Disulfide	3.38	76	1028111	44.650	ug/l	99
18) Methyl Acetate	3.63	43	168304	52.836	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	655393	54.787	ug/l	98
20) Methylene Chloride	3.82	84	372267	50.486	ug/l	90
21) trans-1,2-Dichloroethene	4.22	96	367067	49.683	ug/l	96
22) Diisopropyl ether	5.12	45	1010662	44.578	ug/l	99
23) Vinyl Acetate	5.05	43	2641640	226.973	ug/l	100
24) 1,1-Dichloroethane	4.98	63	640224	51.539	ug/l	99
25) 2-Butanone	6.06	43	476525	259.447	ug/l	99
26) 2,2-Dichloropropane	6.01	77	541837	55.875	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	416184	53.093	ug/l	97
28) Bromochloromethane	6.43	49	233844	44.467	ug/l	94
29) Tetrahydrofuran	6.44	42	211491	212.058	ug/l	93
30) Chloroform	6.65	83	632664	49.141	ug/l	100
31) Cyclohexane	6.95	56	471710	47.095	ug/l	93
32) 1,1,1-Trichloroethane	6.86	97	574047	51.574	ug/l	98
36) 1,1-Dichloropropene	7.14	75	486792	51.332	ug/l	99
37) Ethyl Acetate	6.17	43	215030	48.320	ug/l #	98
38) Carbon Tetrachloride	7.11	117	615796	58.950	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	483936	49.214	ug/l	98
40) Benzene	7.44	78	1151627	48.600	ug/l	99
41) Methacrylonitrile	6.43	41	241373	47.156	ug/l #	93
42) 1,2-Dichloroethane	7.57	62	379845	55.238	ug/l	100
43) Isopropyl Acetate	9.23	43	291929	47.364	ug/l #	95
44) Trichloroethene	8.52	130	451996	55.290	ug/l	99
45) 1,2-Dichloropropane	8.93	63	312722	50.233	ug/l	99
46) Dibromomethane	9.05	93	210079	53.198	ug/l	97
47) Bromodichloromethane	9.36	83	479286	53.784	ug/l	98
48) Methyl methacrylate	9.11	41	179217	51.643	ug/l	100
49) 1,4-Dioxane	9.08	88	40449	1152.684	ug/l #	91
51) 4-Methyl-2-Pentanone	10.29	43	988868	261.885	ug/l	97
52) Toluene	10.49	92	766270	52.003	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	444562	54.558	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	532340	54.373	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	251699	51.293	ug/l	98
56) Ethyl methacrylate	11.03	69	256540	49.946	ug/l	98
57) 1,3-Dichloropropane	11.40	76	413799	56.429	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	612467	225.273	ug/l	97
59) 2-Hexanone	11.52	43	682857	247.224	ug/l	99
60) Dibromochloromethane	11.67	129	411303	56.953	ug/l	100
61) 1,2-Dibromoethane	11.79	107	303385	53.147	ug/l	99
64) Tetrachloroethene	11.24	164	317860	54.577	ug/l	98
65) Chlorobenzene	12.39	112	883039	52.207	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	349400	57.953	ug/l	99
67) Ethyl Benzene	12.51	91	1319910	52.417	ug/l	98
68) m/p-Xylenes	12.66	106	1032241	104.443	ug/l	95
69) o-Xylene	13.04	106	483262	49.744	ug/l	99
70) Styrene	13.06	104	813900	51.306	ug/l	98
71) Bromoform	13.23	173	221888	57.050	ug/l	99
73) Isopropylbenzene	13.40	105	1420140	50.321	ug/l	99
74) N-amyl acetate	13.26	43	377221	47.470	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	247062	44.870	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	274997	48.812	ug/l	98
77) Bromobenzene	13.66	156	380167	52.771	ug/l	97
78) n-propylbenzene	13.76	91	1598264	48.375	ug/l	99
79) 2-Chlorotoluene	13.83	91	997009	54.813	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	1124025	52.464	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	89705	54.008	ug/l	98
82) 4-Chlorotoluene	13.94	91	1004632	46.720	ug/l	100
83) tert-Butylbenzene	14.19	119	1328726	56.670	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1124025	52.464	ug/l	96
85) sec-Butylbenzene	14.36	105	1480791	51.732	ug/l	100
86) p-Isopropyltoluene	14.48	119	1252723	53.541	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	753049	58.539	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	670595	53.048	ug/l	99
89) n-Butylbenzene	14.80	91	1154090	51.364	ug/l	96
90) Hexachloroethane	15.00	117	345350	52.272	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	580748	54.153	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	37628	56.710	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	263875	53.041	ug/l	98
94) Hexachlorobutadiene	16.04	225	206990	55.007	ug/l	98
95) Naphthalene	16.11	128	400685	53.000	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	120898	49.203	ug/l	94

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

