

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063268.D
 Acq On : 31 Jul 2019 10:02
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 01 03:59:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1119803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1492966	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1313997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	656009	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	623775	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
35) Dibromofluoromethane	6.92	113	677981	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
50) Toluene-d8	10.40	98	1523174	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	13.55	95	652400	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	652171	47.645	ug/l	98
3) Chloromethane	1.75	50	520302	48.924	ug/l	95
4) Vinyl Chloride	1.85	62	562821	51.122	ug/l	96
5) Bromomethane	2.15	94	262869	47.342	ug/l	96
6) Chloroethane	2.27	64	241345	47.481	ug/l #	89
7) Trichlorofluoromethane	2.54	101	1097584	51.389	ug/l	100
8) Diethyl Ether	2.87	74	134069	44.852	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.14	101	622935	52.652	ug/l	95
10) Methyl Iodide	3.29	142	872479	51.048	ug/l	98
11) Tert butyl alcohol	4.07	59	111426	204.346	ug/l	97
12) 1,1-Dichloroethene	3.13	96	463581	53.374	ug/l	85
13) Acrolein	3.03	56	123112	234.597	ug/l	86
14) Allyl chloride	3.61	41	693484	50.120	ug/l	91
15) Acrylonitrile	4.19	53	319537	226.031	ug/l	94
16) Acetone	3.22	43	661005	273.037	ug/l	97
17) Carbon Disulfide	3.37	76	1388006	47.744	ug/l	100
18) Methyl Acetate	3.64	43	207912	44.710	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	923629	47.077	ug/l	99
20) Methylene Chloride	3.81	84	455079	46.505	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	497656	51.065	ug/l	99
22) Diisopropyl ether	5.12	45	1310815	47.418	ug/l	96
23) Vinyl Acetate	5.06	43	4120126	242.464	ug/l	99
24) 1,1-Dichloroethane	4.98	63	880240	49.851	ug/l	99
25) 2-Butanone	6.07	43	573415	236.011	ug/l	93
26) 2,2-Dichloropropane	6.02	77	969592	53.284	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	523760	50.127	ug/l	95
28) Bromochloromethane	6.43	49	320343	45.534	ug/l #	95
29) Tetrahydrofuran	6.45	42	256007	222.557	ug/l	97
30) Chloroform	6.66	83	1100268	50.210	ug/l	94
31) Cyclohexane	6.95	56	536669	48.489	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	1121696	52.920	ug/l	98
36) 1,1-Dichloropropene	7.14	75	700824	51.436	ug/l	99
37) Ethyl Acetate	6.18	43	260695	42.588	ug/l #	98
38) Carbon Tetrachloride	7.10	117	1183290	57.687	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	596483	52.544	ug/l	92
40) Benzene	7.45	78	1487649	52.096	ug/l	99
41) Methacrylonitrile	6.44	41	357288	48.795	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	810451	53.552	ug/l	97
43) Isopropyl Acetate	9.24	43	383757	49.079	ug/l #	96
44) Trichloroethene	8.54	130	608404	52.579	ug/l	100
45) 1,2-Dichloropropane	8.94	63	351558	48.436	ug/l	94
46) Dibromomethane	9.06	93	295785	49.011	ug/l	96
47) Bromodichloromethane	9.37	83	794595	51.651	ug/l	97
48) Methyl methacrylate	9.12	41	245581	48.426	ug/l	95
49) 1,4-Dioxane	9.08	88	42214	982.578	ug/l #	77
51) 4-Methyl-2-Pentanone	10.30	43	1265255	237.931	ug/l	98
52) Toluene	10.50	92	1005703	52.952	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	682990	51.496	ug/l	93
54) cis-1,3-Dichloropropene	10.04	75	722641	51.842	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	319758	49.850	ug/l	95
56) Ethyl methacrylate	11.04	69	361209	51.425	ug/l	90
57) 1,3-Dichloropropane	11.41	76	515077	50.965	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	767949	210.117	ug/l	93
59) 2-Hexanone	11.53	43	963857	251.516	ug/l	99
60) Dibromochloromethane	11.68	129	612957	50.618	ug/l	96
61) 1,2-Dibromoethane	11.80	107	391347	49.444	ug/l	94
64) Tetrachloroethene	11.25	164	523662	50.024	ug/l	96
65) Chlorobenzene	12.39	112	1235200	48.872	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	548964	49.310	ug/l	96
67) Ethyl Benzene	12.52	91	2159862	50.305	ug/l	98
68) m/p-Xylenes	12.67	106	1494951	94.944	ug/l	96
69) o-Xylene	13.05	106	735081	50.838	ug/l	86
70) Styrene	13.07	104	1226213	47.820	ug/l	99
71) Bromoform	13.23	173	365265	45.116	ug/l #	97
73) Isopropylbenzene	13.40	105	2212633	53.740	ug/l	97
74) N-amyl acetate	13.27	43	535867	49.232	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	359330	51.378	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	387419	49.168	ug/l	99
77) Bromobenzene	13.67	156	590304	50.329	ug/l	84
78) n-propylbenzene	13.77	91	2432448	49.645	ug/l	96
79) 2-Chlorotoluene	13.84	91	1454671	51.238	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1842106	51.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	101420	46.353	ug/l #	84
82) 4-Chlorotoluene	13.95	91	1708784	51.143	ug/l	97
83) tert-Butylbenzene	14.18	119	2138732	52.746	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1855290	50.510	ug/l	100
85) sec-Butylbenzene	14.37	105	2149742	50.321	ug/l	96
86) p-Isopropyltoluene	14.49	119	2139101	52.462	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1073381	51.677	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	1076774	51.265	ug/l	97
89) n-Butylbenzene	14.79	91	1722622	48.915	ug/l	97
90) Hexachloroethane	15.00	117	533055	50.179	ug/l	87
91) 1,2-Dichlorobenzene	14.80	146	833733	46.069	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	60904	42.751	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	675580	47.056	ug/l	98
94) Hexachlorobutadiene	16.03	225	542371	52.131	ug/l	97
95) Naphthalene	16.12	128	975655	48.081	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	523431	46.151	ug/l	95

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

