

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062782.D
 Acq On : 19 Jun 2019 16:34
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 20 01:51:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1005240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1371979	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1132823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	643601	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	1192274	109.02	ug/l	0.00
Spiked Amount			Recovery	=	218.04%	
35) Dibromofluoromethane	6.94	113	1255672	108.54	ug/l	0.00
Spiked Amount			Recovery	=	217.08%	
50) Toluene-d8	10.42	98	2624678	104.24	ug/l	0.00
Spiked Amount			Recovery	=	208.48%	
62) 4-Bromofluorobenzene	13.56	95	1273387	111.22	ug/l	0.00
Spiked Amount			Recovery	=	222.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1240251	95.250	ug/l	98
3) Chloromethane	1.75	50	886467	90.522	ug/l	98
4) Vinyl Chloride	1.85	62	953657	98.223	ug/l	96
5) Bromomethane	2.15	94	376039	82.702	ug/l	93
6) Chloroethane	2.26	64	407066	92.605	ug/l	92
7) Trichlorofluoromethane	2.53	101	1808853	92.057	ug/l	97
8) Diethyl Ether	2.87	74	237031	94.944	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	1046694	98.329	ug/l	98
10) Methyl Iodide	3.30	142	1556444	110.838	ug/l	99
11) Tert butyl alcohol	4.10	59	215650	432.888	ug/l	99
12) 1,1-Dichloroethene	3.13	96	763177	95.570	ug/l	97
13) Acrolein	3.04	56	247608	486.892	ug/l	95
14) Allyl chloride	3.62	41	1144750	97.125	ug/l	98
15) Acrylonitrile	4.21	53	610187	521.337	ug/l	94
16) Acetone	3.24	43	1073295	438.508	ug/l	98
17) Carbon Disulfide	3.37	76	2533848	99.421	ug/l	96
18) Methyl Acetate	3.65	43	320621	97.109	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	1728503	99.991	ug/l	98
20) Methylene Chloride	3.82	84	788476	94.525	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	881020	103.618	ug/l	96
22) Diisopropyl ether	5.14	45	2479652	103.339	ug/l	99
23) Vinyl Acetate	5.07	43	7743450	514.703	ug/l	97
24) 1,1-Dichloroethane	4.99	63	1566886	100.294	ug/l	98
25) 2-Butanone	6.09	43	1077085	526.567	ug/l	94
26) 2,2-Dichloropropane	6.03	77	1629432	98.398	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	893635	99.385	ug/l	92
28) Bromochloromethane	6.45	49	568048	103.235	ug/l	96
29) Tetrahydrofuran	6.46	42	502241	518.939	ug/l	99
30) Chloroform	6.67	83	1912464	100.655	ug/l	98
31) Cyclohexane	6.97	56	1072507	104.427	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	1987714	100.442	ug/l	94
36) 1,1-Dichloropropene	7.15	75	1274469	98.129	ug/l	97
37) Ethyl Acetate	6.20	43	536179	90.148	ug/l	97
38) Carbon Tetrachloride	7.12	117	1902062m	95.624	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	1160421	101.504	ug/l	96
40) Benzene	7.47	78	2662518	102.128	ug/l	99
41) Methacrylonitrile	6.46	41	671338	98.017	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	1436893	101.033	ug/l	100
43) Isopropyl Acetate	9.25	43	708396	104.038	ug/l	98
44) Trichloroethene	8.55	130	1037511	101.511	ug/l	100
45) 1,2-Dichloropropane	8.95	63	673814	103.943	ug/l	99
46) Dibromomethane	9.07	93	548296	98.462	ug/l	94
47) Bromodichloromethane	9.39	83	1413982	97.771	ug/l	96
48) Methyl methacrylate	9.13	41	477571	98.698	ug/l	98
49) 1,4-Dioxane	9.09	88	89951	2234.457	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	2339505	484.615	ug/l	99
52) Toluene	10.52	92	1753015	100.032	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	1220501	103.108	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	1329565	103.339	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	589451	97.903	ug/l	92
56) Ethyl methacrylate	11.05	69	639861	99.445	ug/l	96
57) 1,3-Dichloropropane	11.42	76	886691	96.183	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	1635755	495.191	ug/l	98
59) 2-Hexanone	11.54	43	1790709	520.837	ug/l	98
60) Dibromochloromethane	11.69	129	1179977	105.219	ug/l	99
61) 1,2-Dibromoethane	11.81	107	738763	103.893	ug/l	96
64) Tetrachloroethene	11.27	164	925929	99.312	ug/l	98
65) Chlorobenzene	12.41	112	2219268	105.559	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	1008852	102.609	ug/l	93
67) Ethyl Benzene	12.53	91	3886213	102.956	ug/l	100
68) m/p-Xylenes	12.68	106	2796562	212.720	ug/l	88
69) o-Xylene	13.05	106	1268614	105.559	ug/l	100
70) Styrene	13.08	104	2181062	103.323	ug/l	93
71) Bromoform	13.24	173	727749	108.033	ug/l #	95
73) Isopropylbenzene	13.40	105	3648554	88.415	ug/l	99
74) N-amyl acetate	13.27	43	985424	98.331	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	660190	98.189	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	716011	96.369	ug/l	95
77) Bromobenzene	13.68	156	1083362	97.605	ug/l	91
78) n-propylbenzene	13.78	91	4473353	93.136	ug/l	99
79) 2-Chlorotoluene	13.85	91	2577804	93.999	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	3107856	89.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	199150	102.272	ug/l	90
82) 4-Chlorotoluene	13.96	91	3012479	91.162	ug/l	95
83) tert-Butylbenzene	14.19	119	3612193	93.492	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	3108744	87.503	ug/l	99
85) sec-Butylbenzene	14.37	105	3611023	85.992	ug/l	95
86) p-Isopropyltoluene	14.50	119	3453072	89.885	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1834796	92.216	ug/l	94
88) 1,4-Dichlorobenzene	14.55	146	1888625	94.506	ug/l	97
89) n-Butylbenzene	14.80	91	3356894	93.360	ug/l	95
90) Hexachloroethane	15.01	117	1001297	96.940	ug/l	84
91) 1,2-Dichlorobenzene	14.81	146	1583246	93.006	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	145253	110.683	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	1242894	93.466	ug/l	96
94) Hexachlorobutadiene	16.04	225	934119	91.950	ug/l	96
95) Naphthalene	16.13	128	1781111	95.562	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	963516	94.303	ug/l	97

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

