

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063827.D
 Acq On : 25 Sep 2019 17:25
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 9:26:03 AM

Quant Time: Sep 26 11:57:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	242469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	380847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	360055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	185208	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.36	65	23043	10.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.18%	
35) Dibromofluoromethane	7.94	113	26579	10.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.98%	
50) Toluene-d8	10.36	98	90206	9.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.82%	
62) 4-Bromofluorobenzene	12.64	95	33786	10.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	17762	10.681	ug/l	83
3) Chloromethane	2.22	50	63263	12.554	ug/l	99
4) Vinyl Chloride	2.36	62	58656	11.405	ug/l	97
5) Bromomethane	2.79	94	31535	10.480	ug/l	96
6) Chloroethane	2.94	64	42036	11.868	ug/l	99
7) Trichlorofluoromethane	3.29	101	78039	11.286	ug/l	97
8) Diethyl Ether	3.73	74	12275	10.887	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	23556	11.484	ug/l	98
10) Methyl Iodide	4.32	142	21824	8.912	ug/l #	92
11) Tert butyl alcohol	5.29	59	10375	58.653	ug/l #	88
12) 1,1-Dichloroethene	4.09	96	22733	10.980	ug/l #	78
13) Acrolein	3.95	56	10721	49.783	ug/l	93
14) Allyl chloride	4.73	41	35272	10.777	ug/l	98
15) Acrylonitrile	5.46	53	25285	50.766	ug/l	97
16) Acetone	4.19	43	27317	53.302	ug/l #	82
17) Carbon Disulfide	4.42	76	74513	10.646	ug/l	98
18) Methyl Acetate	4.76	43	12940	10.255	ug/l #	76
19) Methyl tert-butyl Ether	5.51	73	55146	10.638	ug/l	98
20) Methylene Chloride	4.99	84	35232	11.426	ug/l	94
21) trans-1,2-Dichloroethene	5.49	96	25725	10.674	ug/l	97
22) Diisopropyl ether	6.40	45	71952	10.645	ug/l	97
23) Vinyl Acetate	6.33	43	218077	54.546	ug/l	96
24) 1,1-Dichloroethane	6.28	63	42938	10.456	ug/l	97
25) 2-Butanone	7.25	43	36972	55.183	ug/l #	89
26) 2,2-Dichloropropane	7.24	77	40775	10.617	ug/l	98
27) cis-1,2-Dichloroethene	7.24	96	28195	10.426	ug/l	92
28) Bromochloromethane	7.57	49	14954	9.280	ug/l #	99
29) Tetrahydrofuran	7.60	42	21518	53.600	ug/l	96
30) Chloroform	7.73	83	47487	10.646	ug/l	92
31) Cyclohexane	8.01	56	47516	11.591	ug/l #	83
32) 1,1,1-Trichloroethane	7.92	97	42409	10.515	ug/l	96
36) 1,1-Dichloropropene	8.13	75	38644	11.124	ug/l	98
37) Ethyl Acetate	7.33	43	16473	11.354	ug/l	96
38) Carbon Tetrachloride	8.11	117	37788	10.451	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	46023	10.640	ug/l	94
40) Benzene	8.37	78	102671	10.732	ug/l	92
41) Methacrylonitrile	7.56	41	10142	11.836	ug/l #	88
42) 1,2-Dichloroethane	8.44	62	29501	10.545	ug/l	98
43) Isopropyl Acetate	8.48	43	31575	10.856	ug/l	100
44) Trichloroethene	9.13	130	29584	10.678	ug/l	93
45) 1,2-Dichloropropane	9.41	63	24666	10.437	ug/l #	88
46) Dibromomethane	9.49	93	13182	9.882	ug/l	89
47) Bromodichloromethane	9.68	83	35818	10.417	ug/l	95
48) Methyl methacrylate	9.47	41	14907	11.269	ug/l	98
49) 1,4-Dioxane	9.48	88	3992	214.528	ug/l	96
51) 4-Methyl-2-Pentanone	10.25	43	80542	54.968	ug/l	99
52) Toluene	10.42	92	67544	10.412	ug/l	100
53) t-1,3-Dichloropropene	10.64	75	34979	10.263	ug/l	97
54) cis-1,3-Dichloropropene	10.11	75	40286	10.413	ug/l	94
55) 1,1,2-Trichloroethane	10.82	97	19520	10.356	ug/l	88
56) Ethyl methacrylate	10.68	69	23695	9.891	ug/l	89
57) 1,3-Dichloropropane	10.96	76	34953	10.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.96	63	57405	53.614	ug/l	100
59) 2-Hexanone	11.00	43	56363	53.911	ug/l	97
60) Dibromochloromethane	11.16	129	25931	10.425	ug/l	99
61) 1,2-Dibromoethane	11.26	107	19444	10.319	ug/l	98
64) Tetrachloroethene	10.89	164	24248	9.998	ug/l	96
65) Chlorobenzene	11.68	112	76216	10.523	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.76	131	25833	9.705	ug/l	92
67) Ethyl Benzene	11.76	91	138226	10.566	ug/l	100
68) m/p-Xylenes	11.86	106	104194	20.740	ug/l	99
69) o-Xylene	12.19	106	47695	10.058	ug/l	96
70) Styrene	12.21	104	80975	10.090	ug/l	96
71) Bromoform	12.37	173	14919	10.090	ug/l #	90
73) Isopropylbenzene	12.49	105	134918	10.665	ug/l	97
74) N-amyl acetate	12.30	43	31033	11.206	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	22217	10.536	ug/l	96
76) 1,2,3-Trichloropropane	12.80	75	15544m	13.234	ug/l	
77) Bromobenzene	12.77	156	31223	10.270	ug/l	93
78) n-propylbenzene	12.83	91	162089	10.891	ug/l	97
79) 2-Chlorotoluene	12.92	91	85400	10.638	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	114416	10.850	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	7043	10.016	ug/l #	92
82) 4-Chlorotoluene	13.02	91	92355	10.785	ug/l	99
83) tert-Butylbenzene	13.24	119	97938	10.629	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	113569	10.608	ug/l	98
85) sec-Butylbenzene	13.41	105	137505	10.724	ug/l	100
86) p-Isopropyltoluene	13.53	119	124125	10.308	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	61630	10.325	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	61888	10.425	ug/l	95
89) n-Butylbenzene	13.86	91	123001	10.732	ug/l	96
90) Hexachloroethane	14.12	117	22415	10.050	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	53600	10.468	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4033	11.336	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	39183	10.077	ug/l	97
94) Hexachlorobutadiene	15.28	225	23044	10.460	ug/l	98
95) Naphthalene	15.41	128	71907	10.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	34818	10.100	ug/l	94

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

