

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
 Data File : VD060105.D
 Acq On : 1 Oct 2018 19:15
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:31:26 PM

Quant Time: Oct 02 05:51:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1583162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2160119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1711160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	910234	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	1630912	132.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.62%	
35) Dibromofluoromethane	6.30	113	2370491	140.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.36%	
50) Toluene-d8	9.44	98	6310695	133.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	266.88%	
62) 4-Bromofluorobenzene	12.42	95	2294238	128.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	256.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	2128903m	130.066	ug/l	
3) Chloromethane	1.73	50	2126090	145.143	ug/l	100
4) Vinyl Chloride	1.83	62	1615460	137.386	ug/l	100
5) Bromomethane	2.10	94	144546	105.931	ug/l	94
6) Chloroethane	2.20	64	136914	52.369	ug/l	100
7) Trichlorofluoromethane	2.46	101	1667930	128.930	ug/l	98
8) Diethyl Ether	2.79	74	384124	139.510	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.05	101	1065950	131.202	ug/l	98
10) Methyl Iodide	3.21	142	1376038	158.724	ug/l	98
11) Tert butyl alcohol	3.96	59	646085	659.782	ug/l	98
12) 1,1-Dichloroethene	3.03	96	842103	130.895	ug/l	98
13) Acrolein	2.95	56	344212	568.973	ug/l	100
14) Allyl chloride	3.49	41	1887097	139.439	ug/l	98
15) Acrylonitrile	4.05	53	2358901	635.556	ug/l	98
16) Acetone	3.14	43	1400441	598.548	ug/l	99
17) Carbon Disulfide	3.27	76	3024959	136.769	ug/l	99
18) Methyl Acetate	3.52	43	677704	140.653	ug/l	100
19) Methyl tert-butyl Ether	4.09	73	3895143	131.191	ug/l	99
20) Methylene Chloride	3.68	84	2323648	116.457	ug/l	97
21) trans-1,2-Dichloroethene	4.05	96	2258440	133.590	ug/l	98
22) Diisopropyl ether	4.82	45	8023018	130.566	ug/l	96
23) Vinyl Acetate	4.77	43	21736005	623.308	ug/l	98
24) 1,1-Dichloroethane	4.72	63	3817248	137.595	ug/l	99
25) 2-Butanone	5.60	43	3672798	581.847	ug/l	99
26) 2,2-Dichloropropane	5.55	77	2601624	121.172	ug/l	97
27) cis-1,2-Dichloroethene	5.56	96	2341377	132.503	ug/l	95
28) Bromochloromethane	5.89	49	1757311	130.330	ug/l	93
29) Tetrahydrofuran	5.92	42	2156511	637.037	ug/l	98
30) Chloroform	6.07	83	3849443	137.399	ug/l	99
31) Cyclohexane	6.34	56	3288592	122.450	ug/l	100
32) 1,1,1-Trichloroethane	6.26	97	3154482	136.213	ug/l	99
36) 1,1-Dichloropropene	6.49	75	2638592	124.847	ug/l	97
37) Ethyl Acetate	5.68	43	1922010	131.706	ug/l	98
38) Carbon Tetrachloride	6.47	117	2556978	130.284	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	2996825	124.978	ug/l	99
40) Benzene	6.77	78	7039999	130.525	ug/l	100
41) Methacrylonitrile	5.90	41	881980m	113.589	ug/l	
42) 1,2-Dichloroethane	6.87	62	2202894	136.179	ug/l	100
43) Isopropyl Acetate	8.33	43	2697163	139.482	ug/l	97
44) Trichloroethene	7.71	130	2327139	138.915	ug/l	98
45) 1,2-Dichloropropane	8.08	63	1981854	137.274	ug/l	96
46) Dibromomethane	8.20	93	1339153	142.705	ug/l	95
47) Bromodichloromethane	8.47	83	2877383	141.840	ug/l	99
48) Methyl methacrylate	8.22	41	1479123	137.208	ug/l	97
49) 1,4-Dioxane	8.21	88	300706	2803.053	ug/l	90
51) 4-Methyl-2-Pentanone	9.33	43	7248512	546.418	ug/l	99
52) Toluene	9.53	92	4538831	130.385	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	2611290	137.837	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	3084476	136.454	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	1608308	133.211	ug/l	99
56) Ethyl methacrylate	10.02	69	1865959	140.206	ug/l	99
57) 1,3-Dichloropropane	10.37	76	2415496	135.848	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	4028433	613.834	ug/l	98
59) 2-Hexanone	10.48	43	5400287	564.145	ug/l	97
60) Dibromochloromethane	10.63	129	2120304	145.559	ug/l	97
61) 1,2-Dibromoethane	10.74	107	1809876	145.232	ug/l	99
64) Tetrachloroethene	10.23	164	2046834	137.336	ug/l	98
65) Chlorobenzene	11.30	112	4851709	133.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	1558215	127.289	ug/l	99
67) Ethyl Benzene	11.42	91	6706241	114.786	ug/l	95
68) m/p-Xylenes	11.56	106	5015901	233.104	ug/l	95
69) o-Xylene	11.92	106	2670418	124.442	ug/l	99
70) Styrene	11.94	104	4503159	124.973	ug/l	98
71) Bromoform	12.10	173	1596228	152.347	ug/l	99
73) Isopropylbenzene	12.27	105	7143083	120.768	ug/l	100
74) N-amyl acetate	12.12	43	3048008	130.932	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	1796401	133.995	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	1839533	134.463	ug/l	98
77) Bromobenzene	12.53	156	2195396	128.106	ug/l	86
78) n-propylbenzene	12.63	91	8771344	118.294	ug/l	92
79) 2-Chlorotoluene	12.70	91	5123728	122.646	ug/l	94
80) 1,3,5-Trimethylbenzene	12.78	105	5246313	115.783	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	589490	142.998	ug/l	93
82) 4-Chlorotoluene	12.80	91	5267206	114.666	ug/l	96
83) tert-Butylbenzene	13.04	119	6296699	119.694	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	5662998	116.755	ug/l	96
85) sec-Butylbenzene	13.21	105	7536799	121.408	ug/l	97
86) p-Isopropyltoluene	13.33	119	5972518	118.875	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	3644411	122.528	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	3708837	123.032	ug/l	97
89) n-Butylbenzene	13.64	91	5096743	104.138	ug/l	99
90) Hexachloroethane	13.85	117	1725611	138.892	ug/l	69
91) 1,2-Dichlorobenzene	13.66	146	2597813	105.825	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	271206	132.435	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	2751826	129.818	ug/l	99
94) Hexachlorobutadiene	14.88	225	1782172	126.896	ug/l	98
95) Naphthalene	14.96	128	4593605	140.527	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	2516200	135.532	ug/l	98

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

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