

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121818\
 Data File : VD060616.D
 Acq On : 18 Dec 2018 12:31
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 2:11:58 PM

Quant Time: Dec 19 02:54:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1556161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2119128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1705192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	859668	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	591054	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
35) Dibromofluoromethane	6.33	113	856918	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
50) Toluene-d8	9.45	98	2586472	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
62) 4-Bromofluorobenzene	12.43	95	873389	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	711159	47.761	ug/l	98
3) Chloromethane	1.78	50	726225	45.421	ug/l	97
4) Vinyl Chloride	1.87	62	634291	49.707	ug/l	100
5) Bromomethane	2.17	94	162209	50.812	ug/l	95
6) Chloroethane	2.28	64	210759	51.319	ug/l	95
7) Trichlorofluoromethane	2.53	101	757871	51.436	ug/l	99
8) Diethyl Ether	2.84	74	134367	52.797	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.11	101	496125	51.895	ug/l	99
10) Methyl Iodide	3.26	142	574441	51.405	ug/l	96
11) Tert butyl alcohol	3.97	59	112868	251.871	ug/l #	93
12) 1,1-Dichloroethene	3.09	96	391784	50.370	ug/l	98
13) Acrolein	3.00	56	119624	244.305	ug/l	97
14) Allyl chloride	3.55	41	766376	51.931	ug/l	97
15) Acrylonitrile	4.10	53	632896	248.736	ug/l	95
16) Acetone	3.18	43	487451	275.705	ug/l	98
17) Carbon Disulfide	3.33	76	1231801	48.754	ug/l	100
18) Methyl Acetate	3.57	43	209293	49.808	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	1087754	50.429	ug/l	98
20) Methylene Chloride	3.74	84	804204	49.493	ug/l	96
21) trans-1,2-Dichloroethene	4.11	96	845349	49.963	ug/l	97
22) Diisopropyl ether	4.87	45	2669606	50.384	ug/l	98
23) Vinyl Acetate	4.82	43	6640703	252.960	ug/l	100
24) 1,1-Dichloroethane	4.77	63	1412081	51.300	ug/l	100
25) 2-Butanone	5.63	43	944561	271.549	ug/l	96
26) 2,2-Dichloropropane	5.60	77	1135574	53.403	ug/l	100
27) cis-1,2-Dichloroethene	5.61	96	883209	51.340	ug/l	99
28) Bromochloromethane	5.93	49	619601	50.813	ug/l	95
29) Tetrahydrofuran	5.96	42	487232	247.357	ug/l	100
30) Chloroform	6.11	83	1419616	51.192	ug/l	100
31) Cyclohexane	6.37	56	1233781	52.617	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	1156685	50.737	ug/l	98
36) 1,1-Dichloropropene	6.53	75	1088775	52.562	ug/l	99
37) Ethyl Acetate	5.71	43	439014	48.870	ug/l #	98
38) Carbon Tetrachloride	6.50	117	999223	53.733	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1224031	51.836	ug/l	98
40) Benzene	6.80	78	2833234	53.519	ug/l	99
41) Methacrylonitrile	5.93	41	259803m	53.649	ug/l	
42) 1,2-Dichloroethane	6.91	62	695048	51.638	ug/l	100
43) Isopropyl Acetate	8.35	43	566999	51.130	ug/l #	99
44) Trichloroethene	7.74	130	850962	53.787	ug/l	100
45) 1,2-Dichloropropane	8.11	63	686182	52.408	ug/l	97
46) Dibromomethane	8.22	93	391732	51.784	ug/l	96
47) Bromodichloromethane	8.49	83	971141	54.105	ug/l	99
48) Methyl methacrylate	8.25	41	355231	54.139	ug/l	95
49) 1,4-Dioxane	8.23	88	63962	1075.556	ug/l #	86
51) 4-Methyl-2-Pentanone	9.35	43	1837379	266.362	ug/l	99
52) Toluene	9.55	92	1725027	52.135	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	798373	54.132	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	1050964	54.236	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	467088	50.691	ug/l	98
56) Ethyl methacrylate	10.03	69	447449	53.656	ug/l	99
57) 1,3-Dichloropropane	10.39	76	766768	53.830	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1308054	262.149	ug/l	99
59) 2-Hexanone	10.49	43	1336044	277.097	ug/l	100
60) Dibromochloromethane	10.65	129	630454	54.725	ug/l	98
61) 1,2-Dibromoethane	10.76	107	494967	52.710	ug/l	97
64) Tetrachloroethene	10.25	164	771929	51.124	ug/l	99
65) Chlorobenzene	11.31	112	1851520	51.325	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	624126	53.678	ug/l	99
67) Ethyl Benzene	11.43	91	3236710	52.602	ug/l	99
68) m/p-Xylenes	11.57	106	2322067	102.005	ug/l	100
69) o-Xylene	11.93	106	1118845	51.573	ug/l	95
70) Styrene	11.95	104	1816915	52.177	ug/l	96
71) Bromoform	12.12	173	415533	53.566	ug/l	98
73) Isopropylbenzene	12.28	105	3080690	50.642	ug/l	100
74) N-amyl acetate	12.13	43	743136	50.546	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.56	83	495351	50.863	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	502165	51.554	ug/l	97
77) Bromobenzene	12.54	156	840544	52.566	ug/l	91
78) n-propylbenzene	12.64	91	3889596	50.581	ug/l	98
79) 2-Chlorotoluene	12.71	91	2140585	51.299	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2381910	51.242	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	144263	53.103	ug/l	96
82) 4-Chlorotoluene	12.81	91	2370795	50.586	ug/l	93
83) tert-Butylbenzene	13.05	119	2701084	51.825	ug/l	93
84) 1,2,4-Trimethylbenzene	13.10	105	2387776	49.610	ug/l	98
85) sec-Butylbenzene	13.22	105	3240150	49.879	ug/l	96
86) p-Isopropyltoluene	13.34	119	2612252	50.729	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1467223	50.678	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	1438927	50.662	ug/l	96
89) n-Butylbenzene	13.65	91	2674028	53.081	ug/l	98
90) Hexachloroethane	13.86	117	686754	53.191	ug/l	86
91) 1,2-Dichlorobenzene	13.67	146	1172961	49.575	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	60295	51.095	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	956217	51.699	ug/l	96
94) Hexachlorobutadiene	14.89	225	706367	51.762	ug/l	99
95) Naphthalene	14.97	128	1125727	51.161	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	736666	49.986	ug/l	97

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

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