

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064392.D
 Acq On : 26 Nov 2019 19:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 11/27/2019 5:14:08 PM

Quant Time: Nov 27 06:44:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	461268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	680927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	596743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289537	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	192948	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.92	113	203212	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.34	98	728003	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.64	95	238883	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	145651	38.073	ug/l	96
3) Chloromethane	2.21	50	192316	46.867	ug/l	95
4) Vinyl Chloride	2.35	62	242735	55.316	ug/l	97
5) Bromomethane	2.77	94	168404	60.776	ug/l	98
6) Chloroethane	2.92	64	179488	64.013	ug/l	97
7) Trichlorofluoromethane	3.27	101	450638	63.341	ug/l	95
8) Diethyl Ether	3.70	74	100764	51.510	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	201688	49.599	ug/l	98
10) Methyl Iodide	4.29	142	209597	45.351	ug/l	98
11) Tert butyl alcohol	5.26	59	64182	242.223	ug/l	96
12) 1,1-Dichloroethene	4.06	96	186088	48.011	ug/l	98
13) Acrolein	3.93	56	62296	277.911	ug/l	96
14) Allyl chloride	4.71	41	311592	45.468	ug/l	95
15) Acrylonitrile	5.44	53	226037	271.044	ug/l	99
16) Acetone	4.17	43	233462	259.772	ug/l	98
17) Carbon Disulfide	4.40	76	528619	43.794	ug/l	100
18) Methyl Acetate	4.73	43	128199	51.072	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	467720	50.548	ug/l	96
20) Methylene Chloride	4.96	84	215889	47.555	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	218819	49.830	ug/l	94
22) Diisopropyl ether	6.37	45	626595	49.279	ug/l	97
23) Vinyl Acetate	6.31	43	1822493	257.132	ug/l	97
24) 1,1-Dichloroethane	6.27	63	377940	51.192	ug/l	99
25) 2-Butanone	7.23	43	299890	258.282	ug/l	95
26) 2,2-Dichloropropane	7.21	77	328181	45.328	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	251670	53.442	ug/l	91
28) Bromochloromethane	7.55	49	152403	59.293	ug/l	98
29) Tetrahydrofuran	7.57	42	182178	261.145	ug/l	95
30) Chloroform	7.71	83	398654	52.789	ug/l	100
31) Cyclohexane	7.98	56	327558	43.993	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	355667	49.186	ug/l	98
36) 1,1-Dichloropropene	8.11	75	302328	48.108	ug/l	99
37) Ethyl Acetate	7.30	43	134850	50.899	ug/l	99
38) Carbon Tetrachloride	8.10	117	327398	48.688	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	362606	45.599	ug/l	96
40) Benzene	8.35	78	846082	49.262	ug/l	98
41) Methacrylonitrile	7.53	41	85165	51.145	ug/l	93
42) 1,2-Dichloroethane	8.43	62	253899	49.220	ug/l	99
43) Isopropyl Acetate	8.46	43	264041	48.371	ug/l	99
44) Trichloroethene	9.11	130	256334	49.727	ug/l	98
45) 1,2-Dichloropropane	9.39	63	210919	50.454	ug/l	96
46) Dibromomethane	9.48	93	118263	52.843	ug/l	97
47) Bromodichloromethane	9.67	83	308171	51.120	ug/l	97
48) Methyl methacrylate	9.46	41	121739	45.609	ug/l	92
49) 1,4-Dioxane	9.47	88	29702	1105.046	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	655754	250.508	ug/l	100
52) Toluene	10.40	92	556688	49.291	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	287801	47.653	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	345977	49.092	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	162600	53.557	ug/l	97
56) Ethyl methacrylate	10.67	69	209081	49.230	ug/l	93
57) 1,3-Dichloropropane	10.95	76	280909	53.053	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	450973	262.139	ug/l	98
59) 2-Hexanone	10.99	43	464594	249.467	ug/l	99
60) Dibromochloromethane	11.14	129	220069	51.947	ug/l	99
61) 1,2-Dibromoethane	11.25	107	160123	52.657	ug/l	98
64) Tetrachloroethene	10.88	164	228695	49.830	ug/l	95
65) Chlorobenzene	11.67	112	600989	49.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	233342	50.571	ug/l	99
67) Ethyl Benzene	11.74	91	1064031	48.476	ug/l	99
68) m/p-Xylenes	11.86	106	813872	96.735	ug/l	100
69) o-Xylene	12.18	106	380049	48.706	ug/l	98
70) Styrene	12.20	104	665311	48.846	ug/l	98
71) Bromoform	12.37	173	133359	50.785	ug/l	99
73) Isopropylbenzene	12.48	105	1028426	48.392	ug/l	100
74) N-amyl acetate	12.29	43	232869	46.401	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172649	53.914	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	102726m	44.048	ug/l	
77) Bromobenzene	12.77	156	259828	50.325	ug/l	99
78) n-propylbenzene	12.83	91	1203212	49.554	ug/l	100
79) 2-Chlorotoluene	12.91	91	657924	47.994	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	848279	48.577	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	53825	45.845	ug/l	98
82) 4-Chlorotoluene	13.01	91	688311	48.140	ug/l	98
83) tert-Butylbenzene	13.23	119	746881	48.504	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	845624	49.049	ug/l	100
85) sec-Butylbenzene	13.41	105	1018886	49.266	ug/l	99
86) p-Isopropyltoluene	13.52	119	948212	48.227	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	482526	50.347	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	478353	51.139	ug/l	100
89) n-Butylbenzene	13.85	91	861574	48.503	ug/l	98
90) Hexachloroethane	14.12	117	175189	48.213	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	418972	51.649	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26820	46.843	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	318090	50.832	ug/l	98
94) Hexachlorobutadiene	15.28	225	194076	48.017	ug/l	98
95) Naphthalene	15.41	128	530620	51.728	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	270843	50.918	ug/l	99

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

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