

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111219\
 Data File : VD064195.D
 Acq On : 12 Nov 2019 14:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:38:51 AM

Quant Time: Nov 13 04:22:19 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	606868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	875160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	757301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	376344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	258665	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	7.92	113	253770	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.34	98	983461	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.64	95	323251	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	225162	44.735	ug/l	100
3) Chloromethane	2.21	50	283441	52.502	ug/l	98
4) Vinyl Chloride	2.35	62	316066	54.747	ug/l	97
5) Bromomethane	2.77	94	200408	54.973	ug/l	96
6) Chloroethane	2.93	64	209261	56.726	ug/l	98
7) Trichlorofluoromethane	3.27	101	516402	55.170	ug/l	98
8) Diethyl Ether	3.71	74	129547	50.336	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	253298	47.347	ug/l	99
10) Methyl Iodide	4.30	142	271080	44.617	ug/l	99
11) Tert butyl alcohol	5.26	59	81036	232.456	ug/l	95
12) 1,1-Dichloroethene	4.06	96	249452	48.918	ug/l	97
13) Acrolein	3.93	56	70133	237.808	ug/l	97
14) Allyl chloride	4.71	41	435929	48.350	ug/l	96
15) Acrylonitrile	5.43	53	268315	244.548	ug/l	99
16) Acetone	4.17	43	317424	268.457	ug/l	96
17) Carbon Disulfide	4.40	76	780713	49.162	ug/l	99
18) Methyl Acetate	4.73	43	154063	46.651	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	605003	49.698	ug/l	97
20) Methylene Chloride	4.96	84	279900	46.863	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	288031	49.855	ug/l	98
22) Diisopropyl ether	6.37	45	843213	50.405	ug/l	98
23) Vinyl Acetate	6.31	43	2416126	259.101	ug/l	100
24) 1,1-Dichloroethane	6.27	63	490737	50.523	ug/l	100
25) 2-Butanone	7.23	43	383770	251.224	ug/l	99
26) 2,2-Dichloropropane	7.21	77	460910	48.387	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	311162	50.223	ug/l	98
28) Bromochloromethane	7.55	49	182010	53.823	ug/l	99
29) Tetrahydrofuran	7.57	42	229269	249.799	ug/l	98
30) Chloroform	7.71	83	516657	52.001	ug/l	100
31) Cyclohexane	7.98	56	436638	44.573	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	468002	49.193	ug/l	99
36) 1,1-Dichloropropene	8.11	75	392739	48.624	ug/l	99
37) Ethyl Acetate	7.30	43	162824	47.818	ug/l	97
38) Carbon Tetrachloride	8.10	117	414780	47.993	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	477607	46.731	ug/l	98
40) Benzene	8.35	78	1094634	49.588	ug/l	98
41) Methacrylonitrile	7.53	41	93804	43.831	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	323833	48.845	ug/l	100
43) Isopropyl Acetate	8.46	43	341030	48.609	ug/l	98
44) Trichloroethene	9.11	130	322809	48.724	ug/l	97
45) 1,2-Dichloropropane	9.39	63	268659	50.003	ug/l	100
46) Dibromomethane	9.48	93	144463	50.223	ug/l	99
47) Bromodichloromethane	9.67	83	390146	50.355	ug/l	98
48) Methyl methacrylate	9.46	41	156493	45.617	ug/l	94
49) 1,4-Dioxane	9.47	88	35083	1015.558	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	809872	240.719	ug/l	99
52) Toluene	10.41	92	711797	49.038	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	376877	48.553	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	443666	48.981	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	198018	50.747	ug/l	99
56) Ethyl methacrylate	10.67	69	267274	48.965	ug/l	98
57) 1,3-Dichloropropane	10.95	76	338499	49.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	513958	232.446	ug/l	98
59) 2-Hexanone	10.99	43	584686	244.273	ug/l	100
60) Dibromochloromethane	11.14	129	270469	49.675	ug/l	99
61) 1,2-Dibromoethane	11.25	107	193671	49.554	ug/l	100
64) Tetrachloroethene	10.88	164	278581	47.830	ug/l	99
65) Chlorobenzene	11.67	112	760092	49.357	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	290504	49.611	ug/l	100
67) Ethyl Benzene	11.75	91	1385933	49.754	ug/l	99
68) m/p-Xylenes	11.85	106	1046245	97.990	ug/l	100
69) o-Xylene	12.18	106	489211	49.404	ug/l	98
70) Styrene	12.20	104	846883	48.995	ug/l	100
71) Bromoform	12.37	173	163355	49.019	ug/l #	96
73) Isopropylbenzene	12.48	105	1316260	47.650	ug/l	100
74) N-amyl acetate	12.29	43	310265	47.563	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	200553	48.182	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	129621m	42.760	ug/l	
77) Bromobenzene	12.77	156	321716	47.939	ug/l	99
78) n-propylbenzene	12.83	91	1519399	48.143	ug/l	100
79) 2-Chlorotoluene	12.91	91	843832	47.358	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1091869	48.104	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	68844	45.112	ug/l	98
82) 4-Chlorotoluene	13.01	91	886232	47.686	ug/l	100
83) tert-Butylbenzene	13.23	119	947239	47.327	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1085798	48.453	ug/l	99
85) sec-Butylbenzene	13.41	105	1272412	47.334	ug/l	100
86) p-Isopropyltoluene	13.53	119	1219880	47.733	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	608942	48.882	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	600761	49.412	ug/l	100
89) n-Butylbenzene	13.85	91	1097798	47.547	ug/l	99
90) Hexachloroethane	14.12	117	231383	48.990	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	519144	49.236	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	32862	44.157	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	404086	49.680	ug/l	100
94) Hexachlorobutadiene	15.28	225	253196	48.194	ug/l	99
95) Naphthalene	15.41	128	666487	49.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	341447	49.385	ug/l	99

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

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