

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063993.D
 Acq On : 16 Oct 2019 18:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:49:52 AM

Quant Time: Oct 16 18:29:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	182919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	287521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	303070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	172068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	91751	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.92	113	91181	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.34	98	380776	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
62) 4-Bromofluorobenzene	12.64	95	132854	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52918	40.794	ug/l	92
3) Chloromethane	2.21	50	172585	49.181	ug/l	96
4) Vinyl Chloride	2.35	62	205169	48.935	ug/l	100
5) Bromomethane	2.76	94	125954	46.729	ug/l	98
6) Chloroethane	2.92	64	132596	47.821	ug/l	91
7) Trichlorofluoromethane	3.27	101	290404	52.388	ug/l	99
8) Diethyl Ether	3.70	74	41129	46.226	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	64509	42.041	ug/l	93
10) Methyl Iodide	4.29	142	79346	37.528	ug/l	99
11) Tert butyl alcohol	5.26	59	26349	211.746	ug/l	99
12) 1,1-Dichloroethene	4.06	96	62268	40.618	ug/l	93
13) Acrolein	3.92	56	29151	183.276	ug/l	92
14) Allyl chloride	4.71	41	113741	44.626	ug/l	99
15) Acrylonitrile	5.43	53	97316	248.083	ug/l	99
16) Acetone	4.17	43	93148	200.900	ug/l	92
17) Carbon Disulfide	4.40	76	208150	37.352	ug/l	97
18) Methyl Acetate	4.73	43	45554	50.233	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	179399	45.192	ug/l	97
20) Methylene Chloride	4.96	84	93205	45.004	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	90854	47.607	ug/l	98
22) Diisopropyl ether	6.37	45	253410	48.683	ug/l	97
23) Vinyl Acetate	6.31	43	757913	244.758	ug/l	98
24) 1,1-Dichloroethane	6.27	63	154007	48.033	ug/l	95
25) 2-Butanone	7.23	43	129454	235.594	ug/l	95
26) 2,2-Dichloropropane	7.21	77	131487	45.335	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	103313	47.828	ug/l	98
28) Bromochloromethane	7.56	49	70217	57.320	ug/l	98
29) Tetrahydrofuran	7.57	42	74294	231.647	ug/l	98
30) Chloroform	7.71	83	171344	49.203	ug/l	94
31) Cyclohexane	7.99	56	140232	53.152	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	144578	48.399	ug/l	98
36) 1,1-Dichloropropene	8.11	75	129476	49.251	ug/l	98
37) Ethyl Acetate	7.30	43	52171	49.447	ug/l	96
38) Carbon Tetrachloride	8.10	117	131128	49.360	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159970	49.490	ug/l	95
40) Benzene	8.35	78	374268	49.680	ug/l	98
41) Methacrylonitrile	7.53	41	32819	53.846	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	103963	47.707	ug/l	100
43) Isopropyl Acetate	8.46	43	101752	46.153	ug/l	98
44) Trichloroethene	9.11	130	103902	47.829	ug/l	86
45) 1,2-Dichloropropane	9.39	63	89824	48.713	ug/l	92
46) Dibromomethane	9.48	93	52832	50.309	ug/l	97
47) Bromodichloromethane	9.67	83	132331	48.943	ug/l	99
48) Methyl methacrylate	9.46	41	45848	43.403	ug/l	93
49) 1,4-Dioxane	9.47	88	15273	1065.466	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	281525	246.220	ug/l	97
52) Toluene	10.41	92	261916	50.645	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	127751	48.420	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	148966	49.050	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	76823	51.810	ug/l	92
56) Ethyl methacrylate	10.67	69	91639	48.803	ug/l	96
57) 1,3-Dichloropropane	10.95	76	128162	50.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	215238	266.675	ug/l	99
59) 2-Hexanone	10.99	43	206116	249.205	ug/l	98
60) Dibromochloromethane	11.14	129	99385	51.484	ug/l	96
61) 1,2-Dibromoethane	11.25	107	73549	51.165	ug/l	99
64) Tetrachloroethene	10.88	164	98845	47.775	ug/l	94
65) Chlorobenzene	11.67	112	293849	48.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	108456	48.359	ug/l	100
67) Ethyl Benzene	11.75	91	525238	47.857	ug/l	97
68) m/p-Xylenes	11.86	106	419582	99.048	ug/l	99
69) o-Xylene	12.18	106	198136	48.847	ug/l	96
70) Styrene	12.20	104	345269	50.281	ug/l	99
71) Bromoform	12.36	173	61170	50.822	ug/l #	97
73) Isopropylbenzene	12.48	105	531686	45.965	ug/l	98
74) N-amyl acetate	12.29	43	105305	42.283	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	89271	44.350	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	50230m	43.585	ug/l	
77) Bromobenzene	12.76	156	132173	45.863	ug/l	96
78) n-propylbenzene	12.83	91	634914	46.762	ug/l	100
79) 2-Chlorotoluene	12.91	91	337242	45.046	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	453412	46.984	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	26400	40.537	ug/l	98
82) 4-Chlorotoluene	13.01	91	357343	44.995	ug/l	99
83) tert-Butylbenzene	13.23	119	401331	46.729	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	462903	46.529	ug/l	99
85) sec-Butylbenzene	13.41	105	558656	48.166	ug/l	98
86) p-Isopropyltoluene	13.52	119	530128	48.302	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	273928	48.105	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	267604	47.636	ug/l	96
89) n-Butylbenzene	13.85	91	488378	47.805	ug/l	99
90) Hexachloroethane	14.11	117	94009	47.624	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	234095	47.704	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14264	45.383	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	178050	47.022	ug/l	100
94) Hexachlorobutadiene	15.27	225	101056	48.364	ug/l	95
95) Naphthalene	15.41	128	307390	48.300	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	154327	47.239	ug/l	99

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

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