

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064655.D
 Acq On : 27 Dec 2019 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:17 AM

Quant Time: Dec 30 03:53:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	405731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	599624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	534642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269163	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184252	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	7.92	113	183752	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.34	98	717102	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.64	95	228776	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	145491	46.142	ug/l	99
3) Chloromethane	2.21	50	223362	50.651	ug/l	98
4) Vinyl Chloride	2.35	62	266988	49.656	ug/l	99
5) Bromomethane	2.77	94	187356	47.924	ug/l	99
6) Chloroethane	2.93	64	185778	51.566	ug/l	99
7) Trichlorofluoromethane	3.27	101	448342	49.523	ug/l	97
8) Diethyl Ether	3.71	74	90509	50.345	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	180328	48.096	ug/l	98
10) Methyl Iodide	4.29	142	213577	53.031	ug/l	99
11) Tert butyl alcohol	5.26	59	53768	262.233	ug/l	100
12) 1,1-Dichloroethene	4.06	96	172975	48.458	ug/l	96
13) Acrolein	3.93	56	69992	244.939	ug/l	100
14) Allyl chloride	4.71	41	278257	49.998	ug/l	98
15) Acrylonitrile	5.43	53	194523	259.766	ug/l	99
16) Acetone	4.17	43	160676	209.862	ug/l	100
17) Carbon Disulfide	4.40	76	547614	47.445	ug/l	99
18) Methyl Acetate	4.72	43	100415	49.854	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	413912	52.205	ug/l	92
20) Methylene Chloride	4.96	84	197730	54.477	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	202533	49.821	ug/l	100
22) Diisopropyl ether	6.37	45	579896	52.240	ug/l	98
23) Vinyl Acetate	6.31	43	1680486	266.872	ug/l	99
24) 1,1-Dichloroethane	6.27	63	344236	51.655	ug/l	98
25) 2-Butanone	7.23	43	239962	244.007	ug/l	96
26) 2,2-Dichloropropane	7.21	77	287071	46.332	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	222946	50.817	ug/l	99
28) Bromochloromethane	7.55	49	135268	52.216	ug/l	96
29) Tetrahydrofuran	7.57	42	157876	258.151	ug/l	100
30) Chloroform	7.71	83	361708	51.733	ug/l	100
31) Cyclohexane	7.98	56	303914	45.559	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	330317	50.299	ug/l	100
36) 1,1-Dichloropropene	8.11	75	277757	48.127	ug/l	99
37) Ethyl Acetate	7.30	43	113120	49.892	ug/l	97
38) Carbon Tetrachloride	8.10	117	302286	49.120	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	329675	47.163	ug/l	92
40) Benzene	8.36	78	785608	49.863	ug/l	98
41) Methacrylonitrile	7.54	41	74847	56.897	ug/l	94
42) 1,2-Dichloroethane	8.43	62	226934	49.844	ug/l	100
43) Isopropyl Acetate	8.46	43	227527	50.418	ug/l	100
44) Trichloroethene	9.11	130	227044	49.055	ug/l	96
45) 1,2-Dichloropropane	9.39	63	193495	51.437	ug/l	95
46) Dibromomethane	9.48	93	107611	51.309	ug/l	99
47) Bromodichloromethane	9.67	83	283028	50.714	ug/l	99
48) Methyl methacrylate	9.46	41	106668	50.199	ug/l	94
49) 1,4-Dioxane	9.47	88	24589	1016.772	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	568136	254.701	ug/l	99
52) Toluene	10.40	92	524518	50.744	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	263616	50.665	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	310424	50.597	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	144494	51.122	ug/l	95
56) Ethyl methacrylate	10.66	69	185177	52.459	ug/l	98
57) 1,3-Dichloropropane	10.95	76	245221	50.388	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	315698	234.743	ug/l	100
59) 2-Hexanone	10.99	43	391278	258.447	ug/l	100
60) Dibromochloromethane	11.14	129	196753	50.338	ug/l	100
61) 1,2-Dibromoethane	11.25	107	140446	50.379	ug/l	99
64) Tetrachloroethene	10.88	164	199138	48.550	ug/l	97
65) Chlorobenzene	11.67	112	553537	49.884	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	211555	50.573	ug/l	100
67) Ethyl Benzene	11.75	91	992691	49.288	ug/l	96
68) m/p-Xylenes	11.86	106	770922	99.168	ug/l	98
69) o-Xylene	12.18	106	355971	50.695	ug/l	99
70) Styrene	12.20	104	628574	50.999	ug/l	99
71) Bromoform	12.36	173	119051	49.905	ug/l #	99
73) Isopropylbenzene	12.48	105	953315	49.562	ug/l	99
74) N-amyl acetate	12.29	43	212305	51.634	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	149806	49.578	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	113175m	53.247	ug/l	
77) Bromobenzene	12.77	156	232659	49.226	ug/l	99
78) n-propylbenzene	12.83	91	1104617	49.225	ug/l	99
79) 2-Chlorotoluene	12.91	91	609055	49.407	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	779455	49.331	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	49349	48.559	ug/l	97
82) 4-Chlorotoluene	13.01	91	647628	49.367	ug/l	100
83) tert-Butylbenzene	13.23	119	675556	49.243	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	786018	49.949	ug/l	98
85) sec-Butylbenzene	13.41	105	922361	49.041	ug/l	99
86) p-Isopropyltoluene	13.53	119	888091	49.383	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	450788	50.032	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	441762	49.910	ug/l	99
89) n-Butylbenzene	13.85	91	801057	49.463	ug/l	99
90) Hexachloroethane	14.12	117	166969	48.604	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	383893	49.968	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24663	50.349	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	279324	49.377	ug/l	99
94) Hexachlorobutadiene	15.28	225	168104	47.223	ug/l	99
95) Naphthalene	15.41	128	454671	50.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	236949	49.064	ug/l	100

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

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