

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121719\
 Data File : VD064557.D
 Acq On : 17 Dec 2019 20:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 1:01:05 PM

Quant Time: Dec 18 03:40:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	342977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	512142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	468933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234796	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	170945	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
35) Dibromofluoromethane	7.92	113	178088	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	10.34	98	658114	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
62) 4-Bromofluorobenzene	12.64	95	209624	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	119717	38.523	ug/l	99
3) Chloromethane	2.21	50	161804	41.280	ug/l	96
4) Vinyl Chloride	2.35	62	194769	43.036	ug/l	100
5) Bromomethane	2.77	94	145973	43.616	ug/l	100
6) Chloroethane	2.93	64	136507	45.127	ug/l	98
7) Trichlorofluoromethane	3.27	101	338802	45.032	ug/l	98
8) Diethyl Ether	3.71	74	70471	45.075	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	140610	43.588	ug/l	97
10) Methyl Iodide	4.29	142	156049	45.807	ug/l	99
11) Tert butyl alcohol	5.25	59	41814	211.595	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	133159	43.074	ug/l	96
13) Acrolein	3.93	56	68155	252.855	ug/l	97
14) Allyl chloride	4.71	41	218274	45.242	ug/l	99
15) Acrylonitrile	5.43	53	150032	219.453	ug/l	99
16) Acetone	4.17	43	139236	221.945	ug/l	97
17) Carbon Disulfide	4.40	76	402583	41.118	ug/l	97
18) Methyl Acetate	4.73	43	89821	49.085	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	316315	44.606	ug/l	99
20) Methylene Chloride	4.97	84	157754	49.441	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	157213	44.958	ug/l	93
22) Diisopropyl ether	6.37	45	446371	46.867	ug/l	95
23) Vinyl Acetate	6.31	43	1235154	219.978	ug/l	98
24) 1,1-Dichloroethane	6.27	63	271629	47.423	ug/l	98
25) 2-Butanone	7.23	43	190772	215.028	ug/l	95
26) 2,2-Dichloropropane	7.21	77	225112	45.192	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	176470	46.289	ug/l	99
28) Bromochloromethane	7.55	49	111606	57.015	ug/l	96
29) Tetrahydrofuran	7.57	42	121528	215.301	ug/l	99
30) Chloroform	7.71	83	283509	47.793	ug/l	96
31) Cyclohexane	7.98	56	233863	46.439	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	258204	46.949	ug/l	98
36) 1,1-Dichloropropene	8.11	75	212416	43.850	ug/l	99
37) Ethyl Acetate	7.30	43	89427	43.507	ug/l	98
38) Carbon Tetrachloride	8.10	117	230856	45.154	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	250951	41.763	ug/l	97
40) Benzene	8.36	78	616153	45.796	ug/l	98
41) Methacrylonitrile	7.53	41	47209	40.049	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	179597	45.773	ug/l	98
43) Isopropyl Acetate	8.46	43	174484	43.174	ug/l	99
44) Trichloroethene	9.11	130	176949	43.661	ug/l	96
45) 1,2-Dichloropropane	9.39	63	150414	46.746	ug/l	97
46) Dibromomethane	9.48	93	83206	45.817	ug/l	99
47) Bromodichloromethane	9.66	83	223274	47.848	ug/l	98
48) Methyl methacrylate	9.46	41	81537	44.090	ug/l	98
49) 1,4-Dioxane	9.47	88	19736	880.062	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	430776	215.423	ug/l	100
52) Toluene	10.40	92	397976	45.388	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	202043	45.432	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	240727	45.565	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	109654	44.096	ug/l	100
56) Ethyl methacrylate	10.66	69	140195	44.203	ug/l	99
57) 1,3-Dichloropropane	10.95	76	194459	45.938	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	277935	219.826	ug/l	98
59) 2-Hexanone	10.99	43	295694	213.104	ug/l	99
60) Dibromochloromethane	11.14	129	154857	45.930	ug/l	99
61) 1,2-Dibromoethane	11.25	107	109916	44.270	ug/l	99
64) Tetrachloroethene	10.88	164	160593	44.909	ug/l	98
65) Chlorobenzene	11.67	112	431687	44.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	165677	45.760	ug/l	99
67) Ethyl Benzene	11.75	91	752182	43.225	ug/l	100
68) m/p-Xylenes	11.86	106	579795	87.384	ug/l	99
69) o-Xylene	12.18	106	263502	43.001	ug/l	95
70) Styrene	12.20	104	476062	44.706	ug/l	99
71) Bromoform	12.37	173	93795	43.301	ug/l #	97
73) Isopropylbenzene	12.48	105	721748	42.740	ug/l	99
74) N-amyl acetate	12.30	43	156493	40.831	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	115017	41.187	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	92360m	47.833	ug/l	
77) Bromobenzene	12.77	156	181124	43.434	ug/l	100
78) n-propylbenzene	12.83	91	840971	43.162	ug/l	99
79) 2-Chlorotoluene	12.91	91	453960	42.343	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	587361	42.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	37513	42.363	ug/l	97
82) 4-Chlorotoluene	13.01	91	481833	42.447	ug/l	100
83) tert-Butylbenzene	13.23	119	513917	42.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	589293	42.468	ug/l	100
85) sec-Butylbenzene	13.41	105	698119	42.398	ug/l	100
86) p-Isopropyltoluene	13.53	119	667421	42.934	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	342112	43.224	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	328948	42.096	ug/l	99
89) n-Butylbenzene	13.86	91	593487	42.040	ug/l	99
90) Hexachloroethane	14.12	117	126637	43.554	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	292344	43.220	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	18828	44.654	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	214015	41.313	ug/l	99
94) Hexachlorobutadiene	15.28	225	129459	40.481	ug/l	99
95) Naphthalene	15.41	128	348295	40.287	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	181396	41.022	ug/l	98

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

