

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103019\
 Data File : VD064124.D
 Acq On : 30 Oct 2019 20:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:39:25 PM

Quant Time: Oct 31 05:03:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	222342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	343642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	194095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	94563	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	7.92	113	105912	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.34	98	422740	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.64	95	146460	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	107328	47.273	ug/l	96
3) Chloromethane	2.21	50	182517	48.182	ug/l	98
4) Vinyl Chloride	2.35	62	195130	47.501	ug/l	96
5) Bromomethane	2.77	94	141430	52.829	ug/l	93
6) Chloroethane	2.92	64	132180	51.806	ug/l	90
7) Trichlorofluoromethane	3.27	101	277669	49.102	ug/l	99
8) Diethyl Ether	3.71	74	49982	50.849	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96223	47.217	ug/l	99
10) Methyl Iodide	4.30	142	140373	55.597	ug/l	100
11) Tert butyl alcohol	5.25	59	24406	240.114	ug/l	95
12) 1,1-Dichloroethene	4.06	96	92988	48.212	ug/l	90
13) Acrolein	3.93	56	22049	195.556	ug/l	93
14) Allyl chloride	4.71	41	119024	52.725	ug/l	99
15) Acrylonitrile	5.43	53	95995	264.386	ug/l	98
16) Acetone	4.16	43	78542	233.441	ug/l	94
17) Carbon Disulfide	4.40	76	305247	51.501	ug/l	98
18) Methyl Acetate	4.73	43	51790	57.868	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	210927	53.894	ug/l	94
20) Methylene Chloride	4.96	84	120106	56.404	ug/l	# 90
21) trans-1,2-Dichloroethene	5.47	96	111494	51.496	ug/l	96
22) Diisopropyl ether	6.37	45	267503	53.506	ug/l	98
23) Vinyl Acetate	6.31	43	747493	272.763	ug/l	98
24) 1,1-Dichloroethane	6.27	63	177436	52.557	ug/l	99
25) 2-Butanone	7.23	43	119041	255.928	ug/l	95
26) 2,2-Dichloropropane	7.21	77	151868	47.396	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	128516	53.048	ug/l	98
28) Bromochloromethane	7.54	49	68424	51.906	ug/l	97
29) Tetrahydrofuran	7.57	42	75414	277.808	ug/l	97
30) Chloroform	7.71	83	206174	53.369	ug/l	93
31) Cyclohexane	7.99	56	151077	45.933	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	184360	51.267	ug/l	98
36) 1,1-Dichloropropene	8.11	75	152011	47.861	ug/l	97
37) Ethyl Acetate	7.30	43	51143	52.314	ug/l	# 94
38) Carbon Tetrachloride	8.10	117	162199	46.806	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	187300	48.040	ug/l	93
40) Benzene	8.35	78	443614	51.219	ug/l	98
41) Methacrylonitrile	7.53	41	28630	50.747	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	120207	52.542	ug/l	99
43) Isopropyl Acetate	8.46	43	105469	53.383	ug/l	99
44) Trichloroethene	9.11	130	133334	50.792	ug/l	97
45) 1,2-Dichloropropane	9.39	63	100408	50.023	ug/l	92
46) Dibromomethane	9.48	93	59884	49.537	ug/l	93
47) Bromodichloromethane	9.67	83	161885	53.082	ug/l	95
48) Methyl methacrylate	9.46	41	48782	53.393	ug/l	99
49) 1,4-Dioxane	9.47	88	15090	1090.497	ug/l #	91
51) 4-Methyl-2-Pentanone	10.24	43	291019	270.571	ug/l	100
52) Toluene	10.41	92	312355	51.461	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	152426	53.542	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	178675	53.347	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	90645	52.887	ug/l	96
56) Ethyl methacrylate	10.67	69	103875	49.871	ug/l	97
57) 1,3-Dichloropropane	10.95	76	147986	52.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	217466	289.611	ug/l	99
59) 2-Hexanone	10.99	43	202269	240.266	ug/l	99
60) Dibromochloromethane	11.14	129	123437	53.061	ug/l	99
61) 1,2-Dibromoethane	11.25	107	91295	53.257	ug/l	94
64) Tetrachloroethene	10.88	164	123693	50.104	ug/l	93
65) Chlorobenzene	11.67	112	358703	50.518	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	135160	50.872	ug/l	98
67) Ethyl Benzene	11.75	91	636584	50.406	ug/l	96
68) m/p-Xylenes	11.86	106	514565	101.296	ug/l	99
69) o-Xylene	12.18	106	242202	52.244	ug/l	98
70) Styrene	12.20	104	423522	52.969	ug/l	99
71) Bromoform	12.36	173	75146	52.959	ug/l #	98
73) Isopropylbenzene	12.48	105	656395	48.666	ug/l	98
74) N-amyl acetate	12.29	43	116545	52.013	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	105778	49.756	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	70866m	54.336	ug/l	
77) Bromobenzene	12.77	156	163206	50.117	ug/l	97
78) n-propylbenzene	12.83	91	755909	47.824	ug/l	98
79) 2-Chlorotoluene	12.91	91	418789	49.427	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	565204	50.071	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31677	49.603	ug/l	96
82) 4-Chlorotoluene	13.01	91	453617	50.104	ug/l	99
83) tert-Butylbenzene	13.23	119	495920	48.913	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	573804	50.602	ug/l	100
85) sec-Butylbenzene	13.41	105	683666	49.102	ug/l	99
86) p-Isopropyltoluene	13.52	119	660334	50.476	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	337760	51.756	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	321583	49.988	ug/l	100
89) n-Butylbenzene	13.85	91	594248	49.249	ug/l	98
90) Hexachloroethane	14.11	117	121065	49.429	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	287234	51.143	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16459	53.010	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	204985	50.775	ug/l	96
94) Hexachlorobutadiene	15.28	225	118102	50.054	ug/l	99
95) Naphthalene	15.41	128	346144	52.573	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	173487	49.612	ug/l	97

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

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