

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103119\
 Data File : VD064144.D
 Acq On : 31 Oct 2019 21:34
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/1/2019 12:07:19 PM

Quant Time: Nov 01 08:31:39 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	203621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	320642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	321976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	183637	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	85706	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
35) Dibromofluoromethane	7.92	113	98962	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.34	98	384419	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.64	95	135839	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	93926	45.174	ug/l	97
3) Chloromethane	2.21	50	165939	47.833	ug/l	97
4) Vinyl Chloride	2.35	62	176791	46.994	ug/l	98
5) Bromomethane	2.77	94	127337	51.938	ug/l	97
6) Chloroethane	2.93	64	117688	50.367	ug/l	90
7) Trichlorofluoromethane	3.27	101	239831	46.310	ug/l	95
8) Diethyl Ether	3.70	74	46349	51.488	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89426	47.916	ug/l	99
10) Methyl Iodide	4.30	142	127041	54.943	ug/l	100
11) Tert butyl alcohol	5.24	59	22308m	239.663	ug/l	
12) 1,1-Dichloroethene	4.06	96	85195	48.233	ug/l	89
13) Acrolein	3.93	56	19530	189.140	ug/l	90
14) Allyl chloride	4.71	41	108191	52.333	ug/l	99
15) Acrylonitrile	5.43	53	88462	266.039	ug/l	99
16) Acetone	4.17	43	74342	241.273	ug/l	97
17) Carbon Disulfide	4.40	76	268948	49.549	ug/l	99
18) Methyl Acetate	4.73	43	49321	60.176	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	191477	53.423	ug/l #	88
20) Methylene Chloride	4.97	84	113584	58.391	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	106224	53.573	ug/l	96
22) Diisopropyl ether	6.37	45	250009	54.605	ug/l	96
23) Vinyl Acetate	6.31	43	679615	270.795	ug/l	96
24) 1,1-Dichloroethane	6.27	63	161385	52.198	ug/l	97
25) 2-Butanone	7.23	43	103835	243.761	ug/l	98
26) 2,2-Dichloropropane	7.21	77	134819	45.943	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	120204	54.178	ug/l	97
28) Bromochloromethane	7.55	49	66416	54.880	ug/l	97
29) Tetrahydrofuran	7.57	42	66533	267.627	ug/l	95
30) Chloroform	7.71	83	189678	53.613	ug/l	97
31) Cyclohexane	7.99	56	130441	43.305	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	166979	50.703	ug/l	97
36) 1,1-Dichloropropene	8.11	75	136638	45.478	ug/l	98
37) Ethyl Acetate	7.30	43	44122	47.710	ug/l #	90
38) Carbon Tetrachloride	8.10	117	151949	46.353	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	160905	43.627	ug/l	95
40) Benzene	8.36	78	408739	49.888	ug/l	99
41) Methacrylonitrile	7.53	41	28604	53.597	ug/l	92
42) 1,2-Dichloroethane	8.43	62	108886	50.312	ug/l	98
43) Isopropyl Acetate	8.46	43	90515	48.431	ug/l	96
44) Trichloroethene	9.11	130	123423	49.702	ug/l	90
45) 1,2-Dichloropropane	9.40	63	93355	49.166	ug/l	98
46) Dibromomethane	9.48	93	60357	52.780	ug/l	98
47) Bromodichloromethane	9.67	83	149680	51.883	ug/l #	98
48) Methyl methacrylate	9.46	41	45069	52.146	ug/l	96
49) 1,4-Dioxane	9.48	88	14944	1141.630	ug/l #	92
51) 4-Methyl-2-Pentanone	10.24	43	261383	256.898	ug/l	100
52) Toluene	10.41	92	295546	51.473	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	137923	51.215	ug/l	88
54) cis-1,3-Dichloropropene	10.10	75	161230	50.888	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	82388	50.815	ug/l	95
56) Ethyl methacrylate	10.67	69	92055	46.912	ug/l	97
57) 1,3-Dichloropropane	10.96	76	135890	50.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	198708	279.745	ug/l	97
59) 2-Hexanone	10.99	43	182588	229.688	ug/l	99
60) Dibromochloromethane	11.14	129	115191	52.345	ug/l	99
61) 1,2-Dibromoethane	11.25	107	81668	50.363	ug/l	95
64) Tetrachloroethene	10.88	164	116676	50.442	ug/l	96
65) Chlorobenzene	11.67	112	342455	51.476	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	125574	50.445	ug/l	98
67) Ethyl Benzene	11.75	91	592795	50.097	ug/l	98
68) m/p-Xylenes	11.86	106	476869	100.192	ug/l	100
69) o-Xylene	12.18	106	220789	50.830	ug/l	98
70) Styrene	12.20	104	390704	52.153	ug/l	98
71) Bromoform	12.37	173	70889	53.321	ug/l #	100
73) Isopropylbenzene	12.48	105	592574	46.437	ug/l	98
74) N-amyl acetate	12.30	43	103207	48.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	96275	47.865	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	54083m	43.830	ug/l	
77) Bromobenzene	12.77	156	151721	49.243	ug/l	99
78) n-propylbenzene	12.83	91	706086	47.216	ug/l	99
79) 2-Chlorotoluene	12.91	91	390588	48.724	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	522980	48.969	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	27709	45.860	ug/l	98
82) 4-Chlorotoluene	13.01	91	415129	48.465	ug/l	99
83) tert-Butylbenzene	13.23	119	460511	48.008	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	539529	50.289	ug/l	100
85) sec-Butylbenzene	13.41	105	614735	46.666	ug/l	98
86) p-Isopropyltoluene	13.52	119	606988	49.041	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	312536	50.618	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	308114	50.622	ug/l	99
89) n-Butylbenzene	13.85	91	548454	48.042	ug/l	98
90) Hexachloroethane	14.12	117	112630	48.604	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	267962	50.428	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14384	48.966	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	192332	50.354	ug/l	98
94) Hexachlorobutadiene	15.28	225	108274	48.502	ug/l	98
95) Naphthalene	15.41	128	323126	51.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	167068	50.497	ug/l	98

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

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