

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123119\
 Data File : VD064706.D
 Acq On : 31 Dec 2019 20:33
 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
 1/2/2020 10:43:11 AM

Quant Time: Jan 01 02:39:40 2020
 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	392374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	614040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	563573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	187982	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
35) Dibromofluoromethane	7.92	113	187359	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.34	98	702530	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.64	95	236819	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	174864	57.345	ug/l	98
3) Chloromethane	2.21	50	257235	60.318	ug/l	100
4) Vinyl Chloride	2.35	62	252289	48.519	ug/l	98
5) Bromomethane	2.77	94	183622	48.568	ug/l	99
6) Chloroethane	2.93	64	181472	52.085	ug/l	97
7) Trichlorofluoromethane	3.27	101	407126	46.501	ug/l	99
8) Diethyl Ether	3.71	74	103919	59.772	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	178259	49.162	ug/l	99
10) Methyl Iodide	4.30	142	221489	56.868	ug/l	98
11) Tert butyl alcohol	5.25	59	60178	303.487	ug/l	97
12) 1,1-Dichloroethene	4.06	96	176777	51.209	ug/l	99
13) Acrolein	3.93	56	59660	215.889	ug/l	97
14) Allyl chloride	4.71	41	294203	54.662	ug/l	99
15) Acrylonitrile	5.43	53	208145	287.419	ug/l	98
16) Acetone	4.17	43	174671	238.639	ug/l	96
17) Carbon Disulfide	4.40	76	546696	48.978	ug/l	100
18) Methyl Acetate	4.73	43	114097	58.575	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	459452	59.922	ug/l	95
20) Methylene Chloride	4.96	84	213272	61.384	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	208542	53.046	ug/l	99
22) Diisopropyl ether	6.37	45	619974	57.751	ug/l	99
23) Vinyl Acetate	6.31	43	1778436	292.041	ug/l	99
24) 1,1-Dichloroethane	6.27	63	362684	56.276	ug/l	98
25) 2-Butanone	7.23	43	266984	280.727	ug/l	98
26) 2,2-Dichloropropane	7.21	77	286847	47.872	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	236586	55.761	ug/l	99
28) Bromochloromethane	7.55	49	155169	61.938	ug/l	96
29) Tetrahydrofuran	7.57	42	172047	290.899	ug/l	99
30) Chloroform	7.71	83	383904	56.777	ug/l	98
31) Cyclohexane	7.98	56	293614	45.513	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	334657	52.694	ug/l	100
36) 1,1-Dichloropropene	8.11	75	273861	46.338	ug/l	98
37) Ethyl Acetate	7.30	43	118196	50.907	ug/l	97
38) Carbon Tetrachloride	8.10	117	300042	47.611	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	322152	45.005	ug/l	98
40) Benzene	8.36	78	820237	50.839	ug/l	98
41) Methacrylonitrile	7.53	41	81717	60.661	ug/l	97
42) 1,2-Dichloroethane	8.43	62	251466	53.936	ug/l	100
43) Isopropyl Acetate	8.46	43	244846	52.982	ug/l	100
44) Trichloroethene	9.11	130	236924	49.987	ug/l	97
45) 1,2-Dichloropropane	9.39	63	204046	52.969	ug/l	99
46) Dibromomethane	9.48	93	113514	52.853	ug/l	97
47) Bromodichloromethane	9.66	83	303142	53.043	ug/l	96
48) Methyl methacrylate	9.46	41	115708	53.175	ug/l	89
49) 1,4-Dioxane	9.47	88	26150	1055.934	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	618651	270.836	ug/l	99
52) Toluene	10.40	92	543112	51.309	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	288335	54.114	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	337082	53.652	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	157438	54.393	ug/l	97
56) Ethyl methacrylate	10.66	69	201242	55.672	ug/l	98
57) 1,3-Dichloropropane	10.95	76	273853	54.950	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	336694	244.477	ug/l	98
59) 2-Hexanone	10.98	43	426083	274.829	ug/l	100
60) Dibromochloromethane	11.14	129	218647	54.626	ug/l	98
61) 1,2-Dibromoethane	11.25	107	153453	53.752	ug/l	98
64) Tetrachloroethene	10.88	164	208469	48.216	ug/l	99
65) Chlorobenzene	11.67	112	598269	51.148	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	232141	52.645	ug/l	98
67) Ethyl Benzene	11.75	91	1074246	50.599	ug/l	100
68) m/p-Xylenes	11.86	106	819768	100.038	ug/l	97
69) o-Xylene	12.18	106	393402	53.150	ug/l	100
70) Styrene	12.20	104	688974	53.030	ug/l	99
71) Bromoform	12.37	173	136837	54.416	ug/l #	98
73) Isopropylbenzene	12.48	105	1014781	49.808	ug/l	100
74) N-amyl acetate	12.29	43	244676	56.180	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	169842	53.067	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	131751m	58.522	ug/l	
77) Bromobenzene	12.77	156	258564	51.649	ug/l	99
78) n-propylbenzene	12.83	91	1197007	50.361	ug/l	99
79) 2-Chlorotoluene	12.91	91	664627	50.902	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	867965	51.862	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	53466	49.670	ug/l	95
82) 4-Chlorotoluene	13.01	91	710057	51.101	ug/l	100
83) tert-Butylbenzene	13.23	119	732494	50.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	867333	52.035	ug/l	97
85) sec-Butylbenzene	13.41	105	988844	49.637	ug/l	99
86) p-Isopropyltoluene	13.53	119	959473	50.370	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	490127	51.358	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	487057	51.952	ug/l	99
89) n-Butylbenzene	13.85	91	854828	49.833	ug/l	100
90) Hexachloroethane	14.12	117	180550	49.620	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	431685	53.047	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27558	53.114	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	312019	52.073	ug/l	99
94) Hexachlorobutadiene	15.28	225	176614	46.841	ug/l	97
95) Naphthalene	15.41	128	578897	61.070	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	269112	52.609	ug/l	99

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

