

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064986.D
 Acq On : 28 Jan 2020 19:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/29/2020 12:56:12 PM

Quant Time: Jan 29 03:13:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	469375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	711170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	633989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306550	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	234549	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	7.93	113	223792	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.34	98	861756	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.64	95	271720	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	166730	47.151	ug/l	99
3) Chloromethane	2.21	50	253428	48.901	ug/l	96
4) Vinyl Chloride	2.35	62	288317	48.437	ug/l	99
5) Bromomethane	2.77	94	193842	48.412	ug/l	97
6) Chloroethane	2.93	64	194690	49.612	ug/l	98
7) Trichlorofluoromethane	3.27	101	439179	47.774	ug/l	99
8) Diethyl Ether	3.71	74	108599	52.330	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	204872	47.902	ug/l	99
10) Methyl Iodide	4.30	142	244111	53.771	ug/l	100
11) Tert butyl alcohol	5.24	59	64093	257.607	ug/l	96
12) 1,1-Dichloroethene	4.06	96	203585	49.827	ug/l	95
13) Acrolein	3.93	56	97789	313.527	ug/l	97
14) Allyl chloride	4.71	41	346355	53.151	ug/l	99
15) Acrylonitrile	5.43	53	237805	264.617	ug/l	99
16) Acetone	4.17	43	233570	215.640	ug/l	100
17) Carbon Disulfide	4.40	76	647167	48.128	ug/l	98
18) Methyl Acetate	4.73	43	109804	52.073	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	504289	55.238	ug/l	97
20) Methylene Chloride	4.97	84	242127	56.082	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	239384	50.853	ug/l	97
22) Diisopropyl ether	6.37	45	710208	54.687	ug/l	99
23) Vinyl Acetate	6.31	43	2091599	275.080	ug/l	99
24) 1,1-Dichloroethane	6.27	63	415944	52.165	ug/l	97
25) 2-Butanone	7.23	43	319207	262.427	ug/l	99
26) 2,2-Dichloropropane	7.21	77	364679	50.422	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	263213	52.387	ug/l	100
28) Bromochloromethane	7.56	49	171580	53.806	ug/l	98
29) Tetrahydrofuran	7.57	42	199860	266.302	ug/l	99
30) Chloroform	7.72	83	434395	52.701	ug/l	96
31) Cyclohexane	7.99	56	343262	43.761	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	385240	50.240	ug/l	99
36) 1,1-Dichloropropene	8.11	75	324502	47.319	ug/l	98
37) Ethyl Acetate	7.30	43	147247	51.983	ug/l	98
38) Carbon Tetrachloride	8.10	117	350116	48.303	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	364524	45.466	ug/l	95
40) Benzene	8.36	78	951046	50.354	ug/l	100
41) Methacrylonitrile	7.54	41	90244m	59.141	ug/l	
42) 1,2-Dichloroethane	8.43	62	283862	50.454	ug/l	98
43) Isopropyl Acetate	8.46	43	280963	52.217	ug/l	98
44) Trichloroethene	9.11	130	263426	49.835	ug/l	99
45) 1,2-Dichloropropane	9.39	63	229440	50.111	ug/l	96
46) Dibromomethane	9.48	93	125250	50.105	ug/l	99
47) Bromodichloromethane	9.67	83	340965	52.419	ug/l	99
48) Methyl methacrylate	9.46	41	131396	53.066	ug/l	97
49) 1,4-Dioxane	9.47	88	28915	997.356	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	706967	262.590	ug/l	100
52) Toluene	10.41	92	612320	50.285	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	322285	52.015	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	377307	52.011	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	169516	50.344	ug/l	99
56) Ethyl methacrylate	10.67	69	220600	54.786	ug/l	98
57) 1,3-Dichloropropane	10.96	76	297672	51.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	333005	248.936	ug/l	100
59) 2-Hexanone	10.99	43	485012	261.172	ug/l	99
60) Dibromochloromethane	11.15	129	233819	51.955	ug/l	99
61) 1,2-Dibromoethane	11.26	107	168844	52.077	ug/l	99
64) Tetrachloroethene	10.88	164	219622	47.938	ug/l	97
65) Chlorobenzene	11.68	112	638943	49.637	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	243407	50.280	ug/l	98
67) Ethyl Benzene	11.75	91	1133428	49.597	ug/l	98
68) m/p-Xylenes	11.86	106	882463	100.293	ug/l	100
69) o-Xylene	12.19	106	397350	50.883	ug/l	99
70) Styrene	12.20	104	718204	51.629	ug/l	99
71) Bromoform	12.37	173	140646	52.264	ug/l #	97
73) Isopropylbenzene	12.48	105	1029676	49.144	ug/l	98
74) N-amyl acetate	12.30	43	256628	54.736	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	179633	51.010	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	125984m	49.514	ug/l	
77) Bromobenzene	12.77	156	263072	51.316	ug/l	99
78) n-propylbenzene	12.83	91	1213968	48.720	ug/l	100
79) 2-Chlorotoluene	12.91	91	680339	49.771	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	856082	49.858	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	59552	49.975	ug/l	99
82) 4-Chlorotoluene	13.01	91	726867	50.141	ug/l	98
83) tert-Butylbenzene	13.23	119	707868	48.580	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	853424	49.065	ug/l	100
85) sec-Butylbenzene	13.41	105	977348	47.372	ug/l	99
86) p-Isopropyltoluene	13.53	119	932281	48.290	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	479686	48.767	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	475237	48.679	ug/l	99
89) n-Butylbenzene	13.86	91	828862	47.044	ug/l	100
90) Hexachloroethane	14.12	117	174593	46.895	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	416048	49.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28358	50.320	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	279407	48.365	ug/l	100
94) Hexachlorobutadiene	15.28	225	164327	44.970	ug/l	99
95) Naphthalene	15.41	128	490225	52.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	241241	48.161	ug/l	99

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

