

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064559.D
 Acq On : 23 Dec 2019 10:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:04:02 AM

Quant Time: Dec 24 05:59:34 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	445145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	630428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	556862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	283258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	197360	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	7.92	113	201488	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.34	98	783058	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.64	95	246346	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	178199	44.181	ug/l	96
3) Chloromethane	2.21	50	225973	44.419	ug/l	100
4) Vinyl Chloride	2.35	62	281341	47.897	ug/l	98
5) Bromomethane	2.77	94	195445	44.994	ug/l	98
6) Chloroethane	2.93	64	190134	48.429	ug/l	95
7) Trichlorofluoromethane	3.27	101	492014	50.387	ug/l	98
8) Diethyl Ether	3.71	74	91569	45.127	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	211018	50.400	ug/l	98
10) Methyl Iodide	4.30	142	244675	55.338	ug/l	100
11) Tert butyl alcohol	5.25	59	55507	216.418	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	202163	50.386	ug/l	96
13) Acrolein	3.93	56	76766	219.436	ug/l	99
14) Allyl chloride	4.71	41	315098	50.321	ug/l	98
15) Acrylonitrile	5.43	53	193805	218.417	ug/l	98
16) Acetone	4.16	43	243156	298.636	ug/l	98
17) Carbon Disulfide	4.40	76	573626	45.140	ug/l	99
18) Methyl Acetate	4.72	43	100493	42.312	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	421120	45.756	ug/l	99
20) Methylene Chloride	4.96	84	206125	49.806	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	221521	48.809	ug/l	95
22) Diisopropyl ether	6.37	45	613540	49.633	ug/l	97
23) Vinyl Acetate	6.31	43	1724325	236.614	ug/l	98
24) 1,1-Dichloroethane	6.27	63	383630	51.605	ug/l	97
25) 2-Butanone	7.22	43	265413	230.497	ug/l	99
26) 2,2-Dichloropropane	7.21	77	368631	57.019	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	241269	48.761	ug/l	96
28) Bromochloromethane	7.55	49	121709	47.906	ug/l	99
29) Tetrahydrofuran	7.57	42	157239	214.632	ug/l	96
30) Chloroform	7.71	83	392530	50.984	ug/l	98
31) Cyclohexane	7.98	56	349391	54.220	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	373020	52.259	ug/l	99
36) 1,1-Dichloropropene	8.11	75	309336	51.876	ug/l	100
37) Ethyl Acetate	7.30	43	116818	46.169	ug/l	97
38) Carbon Tetrachloride	8.10	117	347295	55.183	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	380613	51.456	ug/l	99
40) Benzene	8.35	78	845768	51.068	ug/l	100
41) Methacrylonitrile	7.53	41	59722	41.158	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	241817	50.067	ug/l	99
43) Isopropyl Acetate	8.46	43	229755	46.183	ug/l	100
44) Trichloroethene	9.11	130	247817	49.674	ug/l	99
45) 1,2-Dichloropropane	9.39	63	206124	52.040	ug/l	95
46) Dibromomethane	9.48	93	108022	48.321	ug/l	99
47) Bromodichloromethane	9.66	83	291944	50.825	ug/l	99
48) Methyl methacrylate	9.46	41	108285	47.567	ug/l	90
49) 1,4-Dioxane	9.47	88	23526	852.230	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	557814	226.613	ug/l	99
52) Toluene	10.40	92	551854	51.129	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	281286	51.383	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	334837	51.487	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	146810	47.961	ug/l	98
56) Ethyl methacrylate	10.66	69	178621	45.751	ug/l	98
57) 1,3-Dichloropropane	10.95	76	248180	47.629	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	347990	223.593	ug/l	100
59) 2-Hexanone	10.98	43	418969	245.294	ug/l	99
60) Dibromochloromethane	11.14	129	203519	49.037	ug/l	99
61) 1,2-Dibromoethane	11.25	107	142351	46.576	ug/l	99
64) Tetrachloroethene	10.87	164	215252	50.689	ug/l	98
65) Chlorobenzene	11.67	112	583632	50.251	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	224693	52.260	ug/l	100
67) Ethyl Benzene	11.75	91	1089381	52.717	ug/l	99
68) m/p-Xylenes	11.86	106	834739	105.942	ug/l	99
69) o-Xylene	12.18	106	374373	51.447	ug/l	97
70) Styrene	12.20	104	657536	51.998	ug/l	100
71) Bromoform	12.36	173	120910	47.004	ug/l #	99
73) Isopropylbenzene	12.48	105	1061408	52.101	ug/l	100
74) N-amyl acetate	12.29	43	208238	45.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	145939	43.319	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	96148m	41.276	ug/l	
77) Bromobenzene	12.77	156	248545	49.404	ug/l	99
78) n-propylbenzene	12.83	91	1226652	52.186	ug/l	99
79) 2-Chlorotoluene	12.91	91	662129	51.193	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	861249	51.733	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	50539	47.308	ug/l	98
82) 4-Chlorotoluene	13.01	91	701864	51.253	ug/l	99
83) tert-Butylbenzene	13.23	119	762136	52.658	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	851207	50.848	ug/l	99
85) sec-Butylbenzene	13.41	105	1043562	52.534	ug/l	99
86) p-Isopropyltoluene	13.53	119	991200	52.853	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	478185	50.080	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	460899	48.891	ug/l	99
89) n-Butylbenzene	13.85	91	899737	52.830	ug/l	99
90) Hexachloroethane	14.12	117	185986	53.022	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	391767	48.009	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24279	48.062	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	301101	48.180	ug/l	99
94) Hexachlorobutadiene	15.28	225	195093	50.567	ug/l	100
95) Naphthalene	15.41	128	463270	44.418	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	252559	47.343	ug/l	99

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

