

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042321\
 Data File : VD068958.D
 Acq On : 23 Apr 2021 10:36
 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

MMDadoda

4/26/2021 4:53:19 PM

Quant Time: Apr 26 07:49:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	293010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	458946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	431399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	214720	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	135976	43.91	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.82%		
35) Dibromofluoromethane	7.914	113	154885	51.88	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.76%		
50) Toluene-d8	10.338	98	585169	51.96	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.92%		
62) 4-Bromofluorobenzene	12.632	95	189789	50.74	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.48%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	133935	46.13	ug/l	99
3) Chloromethane	2.215	50	139641	40.91	ug/l	99
4) Vinyl Chloride	2.356	62	197352	46.02	ug/l	97
5) Bromomethane	2.774	94	152994	47.73	ug/l	94
6) Chloroethane	2.926	64	129926	46.11	ug/l	99
7) Trichlorofluoromethane	3.279	101	261284	51.79	ug/l	96
8) Diethyl Ether	3.715	74	66101	48.51	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.103	101	157039	51.57	ug/l	97
10) Methyl Iodide	4.309	142	171828	48.30	ug/l	98
11) Tert butyl alcohol	5.215	59	34486	204.33	ug/l #	73
12) 1,1-Dichloroethene	4.073	96	146671	50.01	ug/l	94
13) Acrolein	3.926	56	20270	166.30	ug/l	97
14) Allyl chloride	4.721	41	145830	44.12	ug/l	90
15) Acrylonitrile	5.420	53	124989	204.39	ug/l	96
16) Acetone	4.162	43	128581	299.85	ug/l	98
17) Carbon Disulfide	4.415	76	436256	45.96	ug/l	98
18) Methyl Acetate	4.715	43	51287	43.54	ug/l	95
19) Methyl tert-butyl Ether	5.485	73	286915	44.09	ug/l	98
20) Methylene Chloride	4.968	84	166942	47.86	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	168894	44.84	ug/l	96
22) Diisopropyl ether	6.362	45	349078	43.59	ug/l	96
23) Vinyl Acetate	6.309	43	933785	220.01	ug/l	96
24) 1,1-Dichloroethane	6.267	63	268406	44.45	ug/l	99
25) 2-Butanone	7.214	43	148731	245.10	ug/l	96
26) 2,2-Dichloropropane	7.214	77	256608	52.03	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	189000	50.49	ug/l	98
28) Bromochloromethane	7.550	49	109159	50.08	ug/l	91
29) Tetrahydrofuran	7.567	42	85222	208.83	ug/l	96
30) Chloroform	7.714	83	301209	45.57	ug/l	95
31) Cyclohexane	7.985	56	222010	43.09	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	275145	47.64	ug/l	99
36) 1,1-Dichloropropene	8.114	75	233590	50.28	ug/l	97
37) Ethyl Acetate	7.297	43	64359	47.17	ug/l	97
38) Carbon Tetrachloride	8.097	117	244772	53.22	ug/l	98
39) Methylcyclohexane	9.356	83	288132	53.19	ug/l	98
40) Benzene	8.356	78	657290	48.35	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	35012	43.34	ug/l #	85
42) 1,2-Dichloroethane	8.426	62	168436	46.87	ug/l	98
43) Isopropyl Acetate	8.450	43	125735	45.20	ug/l	97
44) Trichloroethene	9.114	130	192656	51.31	ug/l	90
45) 1,2-Dichloropropane	9.385	63	155085	47.76	ug/l	95
46) Dibromomethane	9.473	93	89543	49.51	ug/l	96
47) Bromodichloromethane	9.661	83	230565	48.79	ug/l	95
48) Methyl methacrylate	9.456	41	64308	46.91	ug/l	96
49) 1,4-Dioxane	9.461	88	17536	915.73	ug/l	90
51) 4-Methyl-2-Pentanone	10.226	43	328380	234.22	ug/l	99
52) Toluene	10.403	92	439934	51.11	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	210738	50.32	ug/l	96
54) cis-1,3-Dichloropropene	10.091	75	248702	49.64	ug/l	97
55) 1,1,2-Trichloroethane	10.803	97	125276	48.98	ug/l	98
56) Ethyl methacrylate	10.661	69	128706	48.89	ug/l	97
57) 1,3-Dichloropropane	10.944	76	207946	49.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	321121	230.53	ug/l	97
59) 2-Hexanone	10.985	43	240897	256.79	ug/l	100
60) Dibromochloromethane	11.138	129	161392	50.33	ug/l	99
61) 1,2-Dibromoethane	11.244	107	120119	48.33	ug/l	99
64) Tetrachloroethene	10.879	164	161355	53.36	ug/l	97
65) Chlorobenzene	11.673	112	473651	50.72	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.744	131	176839	52.67	ug/l	99
67) Ethyl Benzene	11.744	91	858277	53.07	ug/l	99
68) m/p-Xylenes	11.855	106	668601	107.15	ug/l	98
69) o-Xylene	12.179	106	297105	52.36	ug/l	99
70) Styrene	12.197	104	526859	53.28	ug/l	99
71) Bromoform	12.361	173	91007	50.59	ug/l #	99
73) Isopropylbenzene	12.479	105	836835	53.38	ug/l	100
74) N-amyl acetate	12.291	43	118113	44.42	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.732	83	132787	45.31	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	94328m	48.09	ug/l	
77) Bromobenzene	12.761	156	191631	50.84	ug/l	95
78) n-propylbenzene	12.820	91	1005250	52.79	ug/l	99
79) 2-Chlorotoluene	12.908	91	541693	50.92	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	696239	53.12	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	39267	46.46	ug/l	93
82) 4-Chlorotoluene	13.002	91	572020	50.73	ug/l	98
83) tert-Butylbenzene	13.220	119	608415	54.70	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	698620	52.77	ug/l	99
85) sec-Butylbenzene	13.397	105	852071	54.29	ug/l	98
86) p-Isopropyltoluene	13.514	119	786337	54.86	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	377246	50.52	ug/l	97
88) 1,4-Dichlorobenzene	13.597	146	367774	49.76	ug/l	98
89) n-Butylbenzene	13.838	91	734683	54.42	ug/l	99
90) Hexachloroethane	14.108	117	147878	51.79	ug/l	94
91) 1,2-Dichlorobenzene	13.885	146	317939	49.20	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	19708	44.24	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	208630	52.18	ug/l	99
94) Hexachlorobutadiene	15.261	225	126609	55.31	ug/l	96
95) Naphthalene	15.396	128	353711	50.79	ug/l	98
96) 1,2,3-Trichlorobenzene	15.591	180	177370	50.72	ug/l	98

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

