

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042121\
 Data File : VD068941.D
 Acq On : 21 Apr 2021 21:57
 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
 4/22/2021 5:28:13 PM

Quant Time: Apr 22 10:26:00 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	7.979	168	240076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	398843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	390775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	201484	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	124560	49.09	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.18%		
35) Dibromofluoromethane	7.920	113	139279	53.69	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.38%		
50) Toluene-d8	10.338	98	506540	51.76	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.52%		
62) 4-Bromofluorobenzene	12.632	95	167877	51.65	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.30%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	86516	36.37	ug/l	100
3) Chloromethane	2.209	50	113495	40.58	ug/l	98
4) Vinyl Chloride	2.350	62	145327	41.36	ug/l	96
5) Bromomethane	2.768	94	117198	44.63	ug/l	99
6) Chloroethane	2.921	64	107217	46.44	ug/l	99
7) Trichlorofluoromethane	3.273	101	178484	43.17	ug/l	94
8) Diethyl Ether	3.715	74	52867	47.35	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	102901	41.24	ug/l	96
10) Methyl Iodide	4.303	142	99361	34.75	ug/l	97
11) Tert butyl alcohol	5.226	59	31323	230.19	ug/l	98
12) 1,1-Dichloroethene	4.062	96	100605	41.86	ug/l	97
13) Acrolein	3.926	56	14815	148.35	ug/l	90
14) Allyl chloride	4.715	41	108647	40.12	ug/l	91
15) Acrylonitrile	5.426	53	120575	240.64	ug/l	96
16) Acetone	4.162	43	70368	200.28	ug/l	94
17) Carbon Disulfide	4.415	76	307931	39.59	ug/l	99
18) Methyl Acetate	4.715	43	44509	46.11	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	273112	51.22	ug/l	98
20) Methylene Chloride	4.962	84	171949	61.53	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	145967	47.30	ug/l	96
22) Diisopropyl ether	6.367	45	308573	47.03	ug/l	96
23) Vinyl Acetate	6.309	43	855885	246.11	ug/l	96
24) 1,1-Dichloroethane	6.267	63	233622	47.22	ug/l	98
25) 2-Butanone	7.214	43	116061	233.43	ug/l	99
26) 2,2-Dichloropropane	7.209	77	177755	43.98	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	157111	51.23	ug/l	95
28) Bromochloromethane	7.544	49	98641	55.24	ug/l	91
29) Tetrahydrofuran	7.561	42	82191	245.81	ug/l	94
30) Chloroform	7.708	83	268443	49.57	ug/l	98
31) Cyclohexane	7.985	56	162602	38.51	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	226488	47.86	ug/l	99
36) 1,1-Dichloropropene	8.114	75	187631	46.48	ug/l	97
37) Ethyl Acetate	7.291	43	58186	49.07	ug/l	96
38) Carbon Tetrachloride	8.097	117	196155	49.08	ug/l	98
39) Methylcyclohexane	9.355	83	210392	44.69	ug/l	98
40) Benzene	8.350	78	583367	49.38	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	34812	49.59	ug/l #	88
42) 1,2-Dichloroethane	8.426	62	159537	51.09	ug/l	98
43) Isopropyl Acetate	8.450	43	119465	49.42	ug/l	97
44) Trichloroethene	9.114	130	163115	49.99	ug/l	88
45) 1,2-Dichloropropane	9.385	63	136897	48.51	ug/l	94
46) Dibromomethane	9.473	93	84431	53.71	ug/l	94
47) Bromodichloromethane	9.661	83	214047	52.12	ug/l	94
48) Methyl methacrylate	9.455	41	56306	47.27	ug/l #	80
49) 1,4-Dioxane	9.461	88	19710	1184.36	ug/l	92
51) 4-Methyl-2-Pentanone	10.226	43	315340	258.81	ug/l	99
52) Toluene	10.402	92	387722	51.83	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	186438	51.22	ug/l	96
54) cis-1,3-Dichloropropene	10.091	75	219660	50.45	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	119215	53.64	ug/l	98
56) Ethyl methacrylate	10.661	69	123584	54.02	ug/l	97
57) 1,3-Dichloropropane	10.944	76	189845	51.87	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	318449	260.67	ug/l	98
59) 2-Hexanone	10.985	43	214051	262.56	ug/l	99
60) Dibromochloromethane	11.138	129	150714	54.08	ug/l	99
61) 1,2-Dibromoethane	11.244	107	114106	52.82	ug/l	98
64) Tetrachloroethene	10.873	164	136718	49.91	ug/l	96
65) Chlorobenzene	11.667	112	428023	50.60	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	161898	53.23	ug/l	99
67) Ethyl Benzene	11.744	91	733403	50.07	ug/l	100
68) m/p-Xylenes	11.849	106	571263	101.07	ug/l	99
69) o-Xylene	12.179	106	263387	51.24	ug/l	98
70) Styrene	12.191	104	463381	51.73	ug/l	99
71) Bromoform	12.355	173	87429	53.66	ug/l #	97
73) Isopropylbenzene	12.479	105	696328	47.33	ug/l	99
74) N-amyl acetate	12.285	43	113235	45.39	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	130821	47.58	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	102439m	55.65	ug/l	
77) Bromobenzene	12.755	156	175075	49.50	ug/l	96
78) n-propylbenzene	12.814	91	828916	46.39	ug/l	98
79) 2-Chlorotoluene	12.902	91	469660	47.05	ug/l	96
80) 1,3,5-Trimethylbenzene	12.955	105	595872	48.45	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	36903	46.53	ug/l	97
82) 4-Chlorotoluene	13.002	91	497009	46.97	ug/l	95
83) tert-Butylbenzene	13.220	119	491372	47.08	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	607424	48.90	ug/l	98
85) sec-Butylbenzene	13.396	105	694227	47.14	ug/l	99
86) p-Isopropyltoluene	13.514	119	644185	47.89	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	344720	49.20	ug/l	98
88) 1,4-Dichlorobenzene	13.591	146	336786	48.57	ug/l	99
89) n-Butylbenzene	13.838	91	577003	45.55	ug/l	99
90) Hexachloroethane	14.108	117	127138	47.45	ug/l	95
91) 1,2-Dichlorobenzene	13.885	146	296656	48.93	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	19431	46.49	ug/l	96
93) 1,2,4-Trichlorobenzene	15.155	180	189994	50.64	ug/l	97
94) Hexachlorobutadiene	15.261	225	104916	48.84	ug/l	99
95) Naphthalene	15.396	128	345841	52.92	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	168359	51.31	ug/l	98

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

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