

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060121\
 Data File : VD069281.D
 Acq On : 01 Jun 2021 13:41
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/2/2021 6:46:33 PM

Quant Time: Jun 02 01:50:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 01:46:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	473446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	765164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	725430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	330872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.332	65	582836	128.30	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 256.60%#	
35) Dibromofluoromethane	7.914	113	626380	130.36	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 260.72%#	
50) Toluene-d8	10.338	98	2340389	133.94	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 267.88%#	
62) 4-Bromofluorobenzene	12.626	95	789373	137.87	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 275.74%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.985	85	682924	137.03	ug/l	100
3) Chloromethane	2.209	50	509557	135.44	ug/l	98
4) Vinyl Chloride	2.350	62	510286	133.14	ug/l	98
5) Bromomethane	2.744	94	373782	133.67	ug/l	98
6) Chloroethane	2.909	64	291823	133.43	ug/l	97
7) Trichlorofluoromethane	3.268	101	1201835	134.81	ug/l	99
8) Diethyl Ether	3.709	74	351299	160.39	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	707769	134.82	ug/l	98
10) Methyl Iodide	4.297	142	825677	173.38	ug/l	98
11) Tert butyl alcohol	5.226	59	197028	548.55	ug/l	99
12) 1,1-Dichloroethene	4.067	96	692609	145.85	ug/l	99
13) Acrolein	3.920	56	242854	909.90	ug/l	98
14) Allyl chloride	4.715	41	884984	154.46	ug/l	98
15) Acrylonitrile	5.420	53	666381	780.46	ug/l	100
16) Acetone	4.156	43	515458	650.21	ug/l	98
17) Carbon Disulfide	4.409	76	2210266	140.76	ug/l	99
18) Methyl Acetate	4.715	43	301277	140.43	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	1431078	164.09	ug/l	98
20) Methylene Chloride	4.962	84	782271	106.18	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	810284	144.07	ug/l	99
22) Diisopropyl ether	6.367	45	1695833	154.11	ug/l	97
23) Vinyl Acetate	6.303	43	5416120	878.41	ug/l	100
24) 1,1-Dichloroethane	6.261	63	1297444	140.90	ug/l	99
25) 2-Butanone	7.214	43	809847	776.34	ug/l	93
26) 2,2-Dichloropropane	7.208	77	1171308	138.04	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	893737	150.03	ug/l	98
28) Bromochloromethane	7.544	49	445508	139.54	ug/l	98
29) Tetrahydrofuran	7.561	42	479341	799.46	ug/l	97
30) Chloroform	7.708	83	1397617	138.83	ug/l	98
31) Cyclohexane	7.985	56	1005210	139.26	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	1272430	140.06	ug/l	99
36) 1,1-Dichloropropene	8.114	75	1096531	147.43	ug/l	100
37) Ethyl Acetate	7.291	43	381647	151.13	ug/l #	96
38) Carbon Tetrachloride	8.097	117	1138893	141.83	ug/l	99
39) Methylcyclohexane	9.355	83	1220053	160.36	ug/l	95
40) Benzene	8.350	78	3104019	143.70	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	215633	184.24	ug/l	86
42) 1,2-Dichloroethane	8.426	62	825828	143.26	ug/l	100
43) Isopropyl Acetate	8.450	43	737734	160.52	ug/l	98
44) Trichloroethene	9.114	130	845870	144.13	ug/l	98
45) 1,2-Dichloropropane	9.385	63	744144	144.69	ug/l	99
46) Dibromomethane	9.479	93	427403	145.40	ug/l	95
47) Bromodichloromethane	9.661	83	1084029	143.01	ug/l	95
48) Methyl methacrylate	9.455	41	332477	155.82	ug/l	87
49) 1,4-Dioxane	9.461	88	95852	3319.54	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	1884135	793.71	ug/l	98
52) Toluene	10.402	92	2043236	149.86	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	1043353	154.13	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	1239876	153.62	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	588960	144.44	ug/l	97
56) Ethyl methacrylate	10.661	69	725926	173.12	ug/l	98
57) 1,3-Dichloropropane	10.944	76	1007341	152.36	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	1642205	860.12	ug/l	99
59) 2-Hexanone	10.985	43	1276890	804.68	ug/l	98
60) Dibromochloromethane	11.138	129	751927	146.35	ug/l	98
61) 1,2-Dibromoethane	11.244	107	582756	149.83	ug/l	98
64) Tetrachloroethene	10.873	164	705874	139.79	ug/l	99
65) Chlorobenzene	11.667	112	2151017	145.10	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	799959	144.02	ug/l	99
67) Ethyl Benzene	11.744	91	3863020	151.67	ug/l	100
68) m/p-Xylenes	11.849	106	3006206	301.22	ug/l	98
69) o-Xylene	12.179	106	1385542	156.97	ug/l	100
70) Styrene	12.191	104	2367324	154.50	ug/l	99
71) Bromoform	12.355	173	430406	149.40	ug/l #	99
73) Isopropylbenzene	12.479	105	3636067	160.57	ug/l	99
74) N-amyl acetate	12.285	43	669482	167.41	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	635664	150.37	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	412863m	149.29	ug/l	
77) Bromobenzene	12.755	156	836208	153.34	ug/l	100
78) n-propylbenzene	12.814	91	4300167	154.84	ug/l	100
79) 2-Chlorotoluene	12.902	91	2437365	154.39	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	3003214	156.60	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	210426	162.21	ug/l	99
82) 4-Chlorotoluene	13.002	91	2494459	150.19	ug/l	100
83) tert-Butylbenzene	13.220	119	2563274	159.60	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	3001441	157.37	ug/l	99
85) sec-Butylbenzene	13.396	105	3682163	155.33	ug/l	100
86) p-Isopropyltoluene	13.508	119	3250838	156.84	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	1593245	144.37	ug/l	100
88) 1,4-Dichlorobenzene	13.591	146	1566192	142.39	ug/l	98
89) n-Butylbenzene	13.838	91	3002159	154.81	ug/l	98
90) Hexachloroethane	14.102	117	570002	144.76	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	1368477	143.90	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	98070	145.63	ug/l	96
93) 1,2,4-Trichlorobenzene	15.155	180	895510	156.95	ug/l	98
94) Hexachlorobutadiene	15.261	225	528524	147.54	ug/l	98
95) Naphthalene	15.390	128	1784924	177.44	ug/l	100
96) 1,2,3-Trichlorobenzene	15.585	180	788952	157.10	ug/l	99

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

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