

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031921\
 Data File : VD068666.D
 Acq On : 19 Mar 2021 15:28
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 3/22/2021 11:37:01 AM

Quant Time: Mar 20 01:31:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 01:26:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	352521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	605915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	557856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	272887	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	535313	150.32	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 300.64%#			
35) Dibromofluoromethane	7.920	113	560177	151.23	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 302.46%#			
50) Toluene-d8	10.344	98	2197468	148.99	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 297.98%#			
62) 4-Bromofluorobenzene	12.632	95	750645	158.55	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 317.10%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	376193	114.29	ug/l	96
3) Chloromethane	2.209	50	471359	113.29	ug/l	99
4) Vinyl Chloride	2.350	62	590783	119.93	ug/l	96
5) Bromomethane	2.744	94	426537	120.94	ug/l	97
6) Chloroethane	2.909	64	379307	118.46	ug/l	96
7) Trichlorofluoromethane	3.268	101	678615	119.93	ug/l	99
8) Diethyl Ether	3.709	74	206757	123.25	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	408689	118.52	ug/l	99
10) Methyl Iodide	4.303	142	522446	143.70	ug/l	99
11) Tert butyl alcohol	5.226	59	122692	657.47	ug/l	100
12) 1,1-Dichloroethene	4.067	96	409150	119.60	ug/l	95
13) Acrolein	3.920	56	98422	403.46	ug/l	96
14) Allyl chloride	4.715	41	515077	118.03	ug/l	98
15) Acrylonitrile	5.420	53	518794	717.84	ug/l	98
16) Acetone	4.162	43	303766	570.28	ug/l	98
17) Carbon Disulfide	4.409	76	1343684	120.36	ug/l	100
18) Methyl Acetate	4.715	43	186865	131.99	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	1145539	150.75	ug/l	96
20) Methylene Chloride	4.962	84	503705	108.57	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	594426	142.45	ug/l	95
22) Diisopropyl ether	6.367	45	1353014	137.62	ug/l	97
23) Vinyl Acetate	6.309	43	3858768	753.00	ug/l	99
24) 1,1-Dichloroethane	6.261	63	949297	139.82	ug/l	100
25) 2-Butanone	7.214	43	565584	713.41	ug/l	96
26) 2,2-Dichloropropane	7.214	77	829107	144.76	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	666052	144.92	ug/l	99
28) Bromochloromethane	7.550	49	374462	140.24	ug/l	98
29) Tetrahydrofuran	7.561	42	368896	718.58	ug/l	99
30) Chloroform	7.714	83	1012514	140.46	ug/l	98
31) Cyclohexane	7.985	56	827918	131.49	ug/l	94
32) 1,1,1-Trichloroethane	7.908	97	902064	145.46	ug/l	98
36) 1,1-Dichloropropene	8.114	75	794564	138.93	ug/l	99
37) Ethyl Acetate	7.297	43	267821	141.60	ug/l	98
38) Carbon Tetrachloride	8.097	117	790697	146.02	ug/l	98
39) Methylcyclohexane	9.355	83	1042818	147.65	ug/l	96
40) Benzene	8.350	78	2359023	143.34	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	169190	151.11	ug/l	98
42) 1,2-Dichloroethane	8.426	62	611462	142.03	ug/l	99
43) Isopropyl Acetate	8.450	43	520343	149.47	ug/l	98
44) Trichloroethene	9.114	130	633623	140.28	ug/l	93
45) 1,2-Dichloropropane	9.391	63	579423	148.10	ug/l	96
46) Dibromomethane	9.479	93	320720	148.14	ug/l	97
47) Bromodichloromethane	9.661	83	796304	143.54	ug/l	98
48) Methyl methacrylate	9.455	41	249306	134.53	ug/l	91
49) 1,4-Dioxane	9.467	88	75159	3071.03	ug/l	92
51) 4-Methyl-2-Pentanone	10.232	43	1356721	746.94	ug/l	100
52) Toluene	10.402	92	1562673	148.67	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	788390	153.25	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	935262	150.06	ug/l	100
55) 1,1,2-Trichloroethane	10.802	97	450583	151.75	ug/l	98
56) Ethyl methacrylate	10.661	69	539143	158.07	ug/l	99
57) 1,3-Dichloropropane	10.949	76	765812	147.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	1462777	847.98	ug/l	99
59) 2-Hexanone	10.985	43	931564	767.52	ug/l	99
60) Dibromochloromethane	11.138	129	571656	155.19	ug/l	100
61) 1,2-Dibromoethane	11.249	107	447791	153.81	ug/l	99
64) Tetrachloroethene	10.879	164	514469	140.34	ug/l	97
65) Chlorobenzene	11.667	112	1653564	145.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	594132	149.86	ug/l	98
67) Ethyl Benzene	11.744	91	3010037	148.93	ug/l	100
68) m/p-Xylenes	11.855	106	2338425	303.97	ug/l	99
69) o-Xylene	12.179	106	1109573	156.68	ug/l	99
70) Styrene	12.191	104	1930558	158.83	ug/l	99
71) Bromoform	12.355	173	319022	157.20	ug/l #	99
73) Isopropylbenzene	12.479	105	2935462	146.46	ug/l	100
74) N-amyl acetate	12.285	43	528915	155.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.732	83	495513	142.79	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	337120m	138.09	ug/l	
77) Bromobenzene	12.761	156	669250	145.21	ug/l	98
78) n-propylbenzene	12.820	91	3399924	141.89	ug/l	99
79) 2-Chlorotoluene	12.908	91	1881108	142.09	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	2382721	145.44	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	161708	156.05	ug/l	99
82) 4-Chlorotoluene	13.002	91	2007624	143.72	ug/l	99
83) tert-Butylbenzene	13.220	119	2050000	146.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	2456656	148.61	ug/l	98
85) sec-Butylbenzene	13.396	105	2896304	145.86	ug/l	100
86) p-Isopropyltoluene	13.514	119	2681200	149.01	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	1300442	146.31	ug/l	97
88) 1,4-Dichlorobenzene	13.591	146	1276907	144.72	ug/l	99
89) n-Butylbenzene	13.838	91	2534546	146.37	ug/l	99
90) Hexachloroethane	14.108	117	404790	118.28	ug/l	100
91) 1,2-Dichlorobenzene	13.885	146	1124454	147.39	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	75816	127.03	ug/l	99
93) 1,2,4-Trichlorobenzene	15.155	180	759801	132.87	ug/l	99
94) Hexachlorobutadiene	15.261	225	412341	129.01	ug/l	98
95) Naphthalene	15.396	128	1435832	138.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	652288	130.86	ug/l	98

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

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