

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
 Data File : VD070714.D
 Acq On : 15 Oct 2021 12:38
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:51:09 PM

Quant Time: Oct 18 08:08:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:06:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	473281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	771388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	728027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	351959	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	518401	92.48	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 184.96%#			
35) Dibromofluoromethane	7.909	113	468936	94.94	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 189.88%#			
50) Toluene-d8	10.332	98	1889455	99.79	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 199.58%#			
62) 4-Bromofluorobenzene	12.620	95	669192	102.65	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 205.30%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	526496	95.15	ug/l	98
3) Chloromethane	2.209	50	775237	94.42	ug/l	99
4) Vinyl Chloride	2.344	62	804707	95.64	ug/l	97
5) Bromomethane	2.750	94	457781	89.23	ug/l	99
6) Chloroethane	2.909	64	497000	93.80	ug/l	99
7) Trichlorofluoromethane	3.268	101	878219	92.33	ug/l	99
8) Diethyl Ether	3.709	74	268030	105.76	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.091	101	529874	93.13	ug/l	98
10) Methyl Iodide	4.297	142	613927	117.95	ug/l	99
11) Tert butyl alcohol	5.220	59	146796	467.80	ug/l #	85
12) 1,1-Dichloroethene	4.062	96	504276	98.02	ug/l	89
13) Acrolein	3.921	56	145865	480.25	ug/l	97
14) Allyl chloride	4.709	41	1039299	106.73	ug/l #	90
15) Acrylonitrile	5.420	53	697982	578.10	ug/l	99
16) Acetone	4.150	43	724282	535.69	ug/l	90
17) Carbon Disulfide	4.403	76	1854069	98.91	ug/l	99
18) Methyl Acetate	4.715	43	459503	97.77	ug/l #	86
19) Methyl tert-butyl Ether	5.479	73	1227134	110.33	ug/l	94
20) Methylene Chloride	4.962	84	638488	73.16	ug/l	87
21) trans-1,2-Dichloroethene	5.468	96	596222	101.02	ug/l	94
22) Diisopropyl ether	6.362	45	2045883	107.91	ug/l #	95
23) Vinyl Acetate	6.303	43	5221368	619.80	ug/l #	93
24) 1,1-Dichloroethane	6.262	63	1135994	96.18	ug/l	97
25) 2-Butanone	7.209	43	901185	539.53	ug/l #	88
26) 2,2-Dichloropropane	7.203	77	910436	97.46	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	650687	102.82	ug/l	89
28) Bromochloromethane	7.544	49	432905	92.19	ug/l	83
29) Tetrahydrofuran	7.562	42	571929	559.33	ug/l #	84
30) Chloroform	7.703	83	1093108	94.73	ug/l	100
31) Cyclohexane	7.979	56	1126276	99.31	ug/l	86
32) 1,1,1-Trichloroethane	7.903	97	936602	95.67	ug/l	96
36) 1,1-Dichloropropene	8.109	75	879635	102.36	ug/l	98
37) Ethyl Acetate	7.291	43	386691	108.62	ug/l #	93
38) Carbon Tetrachloride	8.091	117	809950	98.41	ug/l	98
39) Methylcyclohexane	9.350	83	1065262	109.93	ug/l #	88
40) Benzene	8.344	78	2479722	100.20	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	222463	113.65	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	692678	98.62	ug/l	96
43) Isopropyl Acetate	8.450	43	727528	107.13	ug/l #	91
44) Trichloroethene	9.109	130	574933	98.93	ug/l	95
45) 1,2-Dichloropropane	9.379	63	653493	99.94	ug/l	97
46) Dibromomethane	9.473	93	312783	99.89	ug/l	97
47) Bromodichloromethane	9.656	83	824166	99.22	ug/l	99
48) Methyl methacrylate	9.450	41	371406	111.64	ug/l #	84
49) 1,4-Dioxane	9.456	88	72517	2156.78	ug/l #	89
51) 4-Methyl-2-Pentanone	10.220	43	1969305	550.15	ug/l	91
52) Toluene	10.397	92	1547048	104.99	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	779071	105.00	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	942515	106.11	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	422059	98.14	ug/l	95
56) Ethyl methacrylate	10.656	69	601972	117.26	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	787123	103.16	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	1260573	556.52	ug/l	94
59) 2-Hexanone	10.979	43	1406507	558.24	ug/l	90
60) Dibromochloromethane	11.132	129	496279	100.41	ug/l	98
61) 1,2-Dibromoethane	11.238	107	402208	102.22	ug/l	99
64) Tetrachloroethene	10.867	164	483603	98.85	ug/l	95
65) Chlorobenzene	11.661	112	1504492	100.77	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	551570	99.84	ug/l	99
67) Ethyl Benzene	11.738	91	2963324	108.55	ug/l	99
68) m/p-Xylenes	11.844	106	2233534	215.96	ug/l	97
69) o-Xylene	12.173	106	1039608	110.81	ug/l	97
70) Styrene	12.185	104	1807307	110.82	ug/l	97
71) Bromoform	12.350	173	291238	101.52	ug/l #	99
73) Isopropylbenzene	12.467	105	2749707	109.64	ug/l	99
74) N-amyl acetate	12.279	43	730271	111.85	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	496217	100.03	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	304964m	113.74	ug/l	
77) Bromobenzene	12.749	156	592842	104.42	ug/l	98
78) n-propylbenzene	12.808	91	3508995	107.65	ug/l	98
79) 2-Chlorotoluene	12.897	91	1997077	106.01	ug/l	97
80) 1,3,5-Trimethylbenzene	12.950	105	2321722	109.52	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	152261	109.68	ug/l	89
82) 4-Chlorotoluene	12.991	91	2089731	104.87	ug/l	97
83) tert-Butylbenzene	13.208	119	1947944	111.18	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	2316089	109.88	ug/l	99
85) sec-Butylbenzene	13.391	105	2980104	108.24	ug/l	99
86) p-Isopropyltoluene	13.502	119	2452218	110.78	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	1215723	101.97	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	1173676	99.69	ug/l	99
89) n-Butylbenzene	13.832	91	2452297	109.77	ug/l	99
90) Hexachloroethane	14.097	117	463880	97.11	ug/l	89
91) 1,2-Dichlorobenzene	13.879	146	1032949	101.37	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	77703	98.20	ug/l	97
93) 1,2,4-Trichlorobenzene	15.144	180	640556	109.90	ug/l	98
94) Hexachlorobutadiene	15.249	225	379724	99.35	ug/l	100
95) Naphthalene	15.385	128	1186096	119.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	562507	108.62	ug/l	98

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

