

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061621\
 Data File : VD069468.D
 Acq On : 16 Jun 2021 15:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 12:14:14 PM

Quant Time: Jun 17 02:49:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	466607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	780190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	749304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	358709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	261353	49.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.300%		
35) Dibromofluoromethane	7.914	113	279950	47.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.820%		
50) Toluene-d8	10.338	98	1059465	49.570	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.140%		
62) 4-Bromofluorobenzene	12.626	95	355311	51.811	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	215774	46.416	ug/l	97
3) Chloromethane	2.209	50	215885	46.424	ug/l	100
4) Vinyl Chloride	2.350	62	227533	40.454	ug/l	98
5) Bromomethane	2.762	94	202423	47.373	ug/l	97
6) Chloroethane	2.921	64	179145	46.296	ug/l	99
7) Trichlorofluoromethane	3.274	101	441297	47.970	ug/l	98
8) Diethyl Ether	3.709	74	133953	57.999	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	266231	48.665	ug/l	97
10) Methyl Iodide	4.297	142	281854	49.927	ug/l	97
11) Tert butyl alcohol	5.226	59	70319	256.945	ug/l	99
12) 1,1-Dichloroethene	4.068	96	256504	51.833	ug/l	95
13) Acrolein	3.921	56	92949	272.438	ug/l	93
14) Allyl chloride	4.715	41	323588	55.596	ug/l	97
15) Acrylonitrile	5.420	53	243897	274.850	ug/l	98
16) Acetone	4.156	43	187498	215.187	ug/l	97
17) Carbon Disulfide	4.409	76	801387	50.063	ug/l	99
18) Methyl Acetate	4.715	43	114582	54.265	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	547987	60.735	ug/l	99
20) Methylene Chloride	4.962	84	338582	53.635	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	308541	53.251	ug/l	97
22) Diisopropyl ether	6.362	45	676080	58.422	ug/l	93
23) Vinyl Acetate	6.303	43	1970123	263.706	ug/l	98
24) 1,1-Dichloroethane	6.262	63	500873	51.991	ug/l	100
25) 2-Butanone	7.209	43	296833	273.202	ug/l	94
26) 2,2-Dichloropropane	7.209	77	430812	50.754	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	348022	55.492	ug/l	97
28) Bromochloromethane	7.544	49	187960	53.258	ug/l	93
29) Tetrahydrofuran	7.562	42	180772	295.654	ug/l	98
30) Chloroform	7.709	83	567413	52.861	ug/l	98
31) Cyclohexane	7.985	56	351965	49.204	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	486519	51.594	ug/l	99
36) 1,1-Dichloropropene	8.109	75	404449	49.784	ug/l	100
37) Ethyl Acetate	7.291	43	144245	53.071	ug/l	97
38) Carbon Tetrachloride	8.097	117	421608	47.908	ug/l	98
39) Methylcyclohexane	9.356	83	423522	51.829	ug/l	95
40) Benzene	8.350	78	1224896	51.803	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	69953	51.733	ug/l	97
42) 1,2-Dichloroethane	8.426	62	328864	50.688	ug/l	99
43) Isopropyl Acetate	8.450	43	273167	53.152	ug/l	99
44) Trichloroethene	9.114	130	335561	50.887	ug/l	94
45) 1,2-Dichloropropane	9.385	63	296219	51.319	ug/l	98
46) Dibromomethane	9.473	93	172429	52.136	ug/l	95
47) Bromodichloromethane	9.661	83	436076	51.141	ug/l	98
48) Methyl methacrylate	9.456	41	127189	54.419	ug/l	88
49) 1,4-Dioxane	9.461	88	36376	1129.441	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	712246	271.632	ug/l	98
52) Toluene	10.403	92	801993	53.417	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	390205	53.425	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	462569	52.686	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	238631	52.199	ug/l	100
56) Ethyl methacrylate	10.656	69	276887	52.867	ug/l	96
57) 1,3-Dichloropropane	10.944	76	389729	52.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	676510	257.045	ug/l	100
59) 2-Hexanone	10.979	43	489064	279.420	ug/l	99
60) Dibromochloromethane	11.138	129	302121	51.855	ug/l	99
61) 1,2-Dibromoethane	11.244	107	232336	52.907	ug/l	99
64) Tetrachloroethene	10.873	164	286412	49.424	ug/l	96
65) Chlorobenzene	11.667	112	860604	52.218	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	325080	51.389	ug/l	98
67) Ethyl Benzene	11.738	91	1492788	54.009	ug/l	98
68) m/p-Xylenes	11.850	106	1181828	107.644	ug/l	99
69) o-Xylene	12.179	106	546261	56.230	ug/l	98
70) Styrene	12.191	104	953548	55.785	ug/l	99
71) Bromoform	12.355	173	171589	52.394	ug/l #	100
73) Isopropylbenzene	12.473	105	1421958	56.384	ug/l	99
74) N-amyl acetate	12.285	43	254512	56.256	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	252233	52.094	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	180090m	49.520	ug/l	
77) Bromobenzene	12.755	156	341745	54.047	ug/l	99
78) n-propylbenzene	12.814	91	1711122	55.289	ug/l	100
79) 2-Chlorotoluene	12.902	91	973468	55.334	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	1200495	56.467	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	74071	54.335	ug/l	97
82) 4-Chlorotoluene	12.997	91	1034097	55.232	ug/l	99
83) tert-Butylbenzene	13.214	119	1032420	57.042	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	1213300	57.082	ug/l	100
85) sec-Butylbenzene	13.397	105	1441366	54.171	ug/l	100
86) p-Isopropyltoluene	13.508	119	1275258	55.170	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	655807	51.788	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	652810	51.754	ug/l	99
89) n-Butylbenzene	13.832	91	1158326	53.867	ug/l	99
90) Hexachloroethane	14.102	117	225525	50.124	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	575275	52.071	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	37564	51.515	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	353137	54.933	ug/l	99
94) Hexachlorobutadiene	15.255	225	205007	51.000	ug/l	96
95) Naphthalene	15.391	128	644515	51.729	ug/l	100
96) 1,2,3-Trichlorobenzene	15.585	180	307860	55.159	ug/l	99

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

