

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070899.D
 Acq On : 28 Oct 2021 18:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:38:16 PM

Quant Time: Oct 29 06:36:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	510845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	840202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	795710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	390675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	249736	48.607	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.220%		
35) Dibromofluoromethane	7.914	113	280157	50.571	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.140%		
50) Toluene-d8	10.332	98	1054672	50.603	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.200%		
62) 4-Bromofluorobenzene	12.620	95	365797	53.194	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	181225	38.252	ug/l	99
3) Chloromethane	2.209	50	284045	42.361	ug/l	96
4) Vinyl Chloride	2.344	62	314136	42.350	ug/l	97
5) Bromomethane	2.762	94	195414	41.150	ug/l	97
6) Chloroethane	2.920	64	157632	34.397	ug/l	91
7) Trichlorofluoromethane	3.267	101	365261	39.981	ug/l	98
8) Diethyl Ether	3.709	74	129237	51.058	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	240586	40.858	ug/l	98
10) Methyl Iodide	4.297	142	283051	46.042	ug/l	96
11) Tert butyl alcohol	5.220	59	66410	243.208	ug/l	99
12) 1,1-Dichloroethene	4.067	96	234251	45.446	ug/l	98
13) Acrolein	3.920	56	59782	244.142	ug/l	99
14) Allyl chloride	4.714	41	384037	47.561	ug/l	97
15) Acrylonitrile	5.414	53	297694	245.534	ug/l	99
16) Acetone	4.156	43	225599	188.734	ug/l	94
17) Carbon Disulfide	4.409	76	808438	44.366	ug/l	99
18) Methyl Acetate	4.720	43	223155	54.457	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	565467	52.738	ug/l	99
20) Methylene Chloride	4.956	84	335417	51.075	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	292218	47.841	ug/l	100
22) Diisopropyl ether	6.361	45	835867	49.919	ug/l	97
23) Vinyl Acetate	6.303	43	1814411	216.571	ug/l	96
24) 1,1-Dichloroethane	6.261	63	516188	45.737	ug/l	99
25) 2-Butanone	7.208	43	334333	227.248	ug/l	96
26) 2,2-Dichloropropane	7.203	77	378960	42.086	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	329084	50.274	ug/l	95
28) Bromochloromethane	7.544	49	219467	49.591	ug/l	90
29) Tetrahydrofuran	7.561	42	221772	249.510	ug/l	94
30) Chloroform	7.703	83	519935	45.900	ug/l	100
31) Cyclohexane	7.985	56	438973	41.930	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	423364	43.762	ug/l	99
36) 1,1-Dichloropropene	8.108	75	389399	44.296	ug/l	99
37) Ethyl Acetate	7.285	43	147497	45.128	ug/l	97
38) Carbon Tetrachloride	8.097	117	365767	41.376	ug/l	99
39) Methylcyclohexane	9.350	83	447347	44.223	ug/l	95
40) Benzene	8.350	78	1184927	46.363	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	86188	49.849	ug/l #	82
42) 1,2-Dichloroethane	8.420	62	294277	45.223	ug/l	99
43) Isopropyl Acetate	8.450	43	274839	45.237	ug/l	97
44) Trichloroethene	9.108	130	308216	46.677	ug/l	96
45) 1,2-Dichloropropane	9.385	63	311605	45.987	ug/l	97
46) Dibromomethane	9.467	93	158346	47.666	ug/l	99
47) Bromodichloromethane	9.655	83	387151	45.082	ug/l	98
48) Methyl methacrylate	9.450	41	130945	45.109	ug/l #	85
49) 1,4-Dioxane	9.461	88	36481	1028.919	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	771962	242.309	ug/l	97
52) Toluene	10.397	92	751221	48.908	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	366841	49.013	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	434912	47.063	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	222259	47.174	ug/l	93
56) Ethyl methacrylate	10.655	69	274942	47.764	ug/l	94
57) 1,3-Dichloropropane	10.938	76	380927	47.985	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	579213	258.597	ug/l	95
59) 2-Hexanone	10.979	43	525024	230.853	ug/l	95
60) Dibromochloromethane	11.132	129	269523	47.677	ug/l	99
61) 1,2-Dibromoethane	11.238	107	214777	49.386	ug/l	100
64) Tetrachloroethene	10.867	164	265036	48.547	ug/l	98
65) Chlorobenzene	11.661	112	790454	48.420	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	288464	47.633	ug/l	98
67) Ethyl Benzene	11.738	91	1380688	48.568	ug/l	99
68) m/p-Xylenes	11.844	106	1112400	100.496	ug/l	97
69) o-Xylene	12.173	106	508231	50.695	ug/l	99
70) Styrene	12.185	104	894497	51.517	ug/l	99
71) Bromoform	12.349	173	159623	49.877	ug/l #	99
73) Isopropylbenzene	12.467	105	1309914	50.269	ug/l	100
74) N-amyl acetate	12.279	43	256389	44.737	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	246623	46.380	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	157994m	41.082	ug/l	
77) Bromobenzene	12.749	156	316838	49.903	ug/l	96
78) n-propylbenzene	12.808	91	1624840	48.580	ug/l	99
79) 2-Chlorotoluene	12.896	91	949757	48.905	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1095871	49.552	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	69933	47.727	ug/l	96
82) 4-Chlorotoluene	12.996	91	996344	49.367	ug/l	99
83) tert-Butylbenzene	13.214	119	920793	49.931	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	1108586	50.841	ug/l	99
85) sec-Butylbenzene	13.390	105	1395253	47.969	ug/l	100
86) p-Isopropyltoluene	13.502	119	1169998	50.000	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	629037	47.978	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	619675	47.657	ug/l	99
89) n-Butylbenzene	13.832	91	1043491	45.512	ug/l	98
90) Hexachloroethane	14.096	117	224839	42.817	ug/l	91
91) 1,2-Dichlorobenzene	13.873	146	550662	49.221	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	32189	41.550	ug/l	76
93) 1,2,4-Trichlorobenzene	15.143	180	335824	51.949	ug/l	98
94) Hexachlorobutadiene	15.249	225	205001	48.132	ug/l	98
95) Naphthalene	15.384	128	555362	45.653	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	296301	52.747	ug/l	98

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

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