

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070875.D
 Acq On : 27 Oct 2021 20:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:34:42 PM

Quant Time: Oct 28 04:01:20 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	7.973	168	546957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	907434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	877477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	427798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	271429	49.342	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.680%		
35) Dibromofluoromethane	7.909	113	303539	50.732	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.460%		
50) Toluene-d8	10.332	98	1151774	51.168	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.340%		
62) 4-Bromofluorobenzene	12.620	95	395126	53.202	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	201002	39.626	ug/l	99
3) Chloromethane	2.209	50	315650	43.966	ug/l	99
4) Vinyl Chloride	2.344	62	330418	41.604	ug/l	98
5) Bromomethane	2.762	94	220051	43.501	ug/l	96
6) Chloroethane	2.921	64	192545	39.241	ug/l	91
7) Trichlorofluoromethane	3.274	101	395606	40.443	ug/l	97
8) Diethyl Ether	3.709	74	142031	52.408	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	264833	42.006	ug/l	97
10) Methyl Iodide	4.297	142	325774	49.222	ug/l	96
11) Tert butyl alcohol	5.221	59	76028	260.048	ug/l	96
12) 1,1-Dichloroethene	4.068	96	256986	46.565	ug/l	98
13) Acrolein	3.921	56	63239	241.209	ug/l	98
14) Allyl chloride	4.715	41	404851	46.828	ug/l	98
15) Acrylonitrile	5.420	53	331963	255.722	ug/l	99
16) Acetone	4.156	43	224918	175.741	ug/l	92
17) Carbon Disulfide	4.409	76	881288	45.171	ug/l	99
18) Methyl Acetate	4.715	43	205862	46.920	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	634383	55.259	ug/l	99
20) Methylene Chloride	4.962	84	369170	52.682	ug/l	95
21) trans-1,2-Dichloroethene	5.468	96	323995	49.541	ug/l	95
22) Diisopropyl ether	6.362	45	918978	51.259	ug/l	98
23) Vinyl Acetate	6.303	43	2132133	236.287	ug/l	96
24) 1,1-Dichloroethane	6.256	63	576541	47.712	ug/l	99
25) 2-Butanone	7.209	43	356741	226.469	ug/l	96
26) 2,2-Dichloropropane	7.209	77	397664	41.247	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	361021	51.512	ug/l	95
28) Bromochloromethane	7.544	49	232180	49.000	ug/l	92
29) Tetrahydrofuran	7.556	42	250412	263.131	ug/l	93
30) Chloroform	7.703	83	580594	47.871	ug/l	99
31) Cyclohexane	7.985	56	468330	41.781	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	465667	44.957	ug/l	99
36) 1,1-Dichloropropene	8.109	75	426698	44.943	ug/l	99
37) Ethyl Acetate	7.285	43	180762	51.208	ug/l	98
38) Carbon Tetrachloride	8.091	117	405986	42.523	ug/l	94
39) Methylcyclohexane	9.350	83	494163	45.232	ug/l	97
40) Benzene	8.344	78	1319647	47.808	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	93530	50.088	ug/l #	87
42) 1,2-Dichloroethane	8.420	62	330722	47.059	ug/l	98
43) Isopropyl Acetate	8.450	43	330565	50.378	ug/l	99
44) Trichloroethene	9.109	130	341060	47.824	ug/l	97
45) 1,2-Dichloropropane	9.385	63	342963	46.865	ug/l	99
46) Dibromomethane	9.467	93	178463	49.741	ug/l	97
47) Bromodichloromethane	9.656	83	434561	46.853	ug/l	96
48) Methyl methacrylate	9.450	41	165215	52.698	ug/l	96
49) 1,4-Dioxane	9.456	88	40654	1061.662	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	875058	254.319	ug/l	96
52) Toluene	10.397	92	840879	50.689	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	400145	49.502	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	481065	48.200	ug/l	95
55) 1,1,2-Trichloroethane	10.797	97	256223	50.354	ug/l	97
56) Ethyl methacrylate	10.656	69	314820	50.469	ug/l	93
57) 1,3-Dichloropropane	10.938	76	433841	50.601	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	639059	264.177	ug/l	96
59) 2-Hexanone	10.973	43	584073	237.789	ug/l	94
60) Dibromochloromethane	11.132	129	302949	49.619	ug/l	100
61) 1,2-Dibromoethane	11.238	107	239801	51.055	ug/l	96
64) Tetrachloroethene	10.873	164	289156	48.030	ug/l	97
65) Chlorobenzene	11.661	112	882422	49.016	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	326349	48.867	ug/l	99
67) Ethyl Benzene	11.738	91	1554664	49.592	ug/l	97
68) m/p-Xylenes	11.844	106	1218267	99.804	ug/l	99
69) o-Xylene	12.173	106	576656	52.160	ug/l	97
70) Styrene	12.185	104	999640	52.208	ug/l	98
71) Bromoform	12.350	173	179458	50.850	ug/l #	99
73) Isopropylbenzene	12.467	105	1462142	51.242	ug/l	99
74) N-amyl acetate	12.279	43	316357	50.411	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	284424	48.848	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	173914m	41.297	ug/l	
77) Bromobenzene	12.750	156	354581	51.001	ug/l	96
78) n-propylbenzene	12.808	91	1801303	49.182	ug/l	99
79) 2-Chlorotoluene	12.897	91	1049641	49.358	ug/l	98
80) 1,3,5-Trimethylbenzene	12.950	105	1232199	50.881	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	74009	46.125	ug/l	94
82) 4-Chlorotoluene	12.997	91	1094644	49.531	ug/l	97
83) tert-Butylbenzene	13.208	119	1046278	51.812	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1221015	51.138	ug/l	99
85) sec-Butylbenzene	13.391	105	1549982	48.665	ug/l	99
86) p-Isopropyltoluene	13.502	119	1293065	50.464	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	691856	48.190	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	684796	48.095	ug/l	100
89) n-Butylbenzene	13.832	91	1195053	47.600	ug/l	99
90) Hexachloroethane	14.097	117	258495	44.955	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	599084	48.902	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	39639	46.727	ug/l	82
93) 1,2,4-Trichlorobenzene	15.144	180	384778	54.357	ug/l	97
94) Hexachlorobutadiene	15.249	225	214311	45.951	ug/l	99
95) Naphthalene	15.385	128	699511	51.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	334906	54.446	ug/l	98

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

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