

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081022\
 Data File : VY009950.D
 Acq On : 10 Aug 2022 15:00
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/11/2022
 Supervised By :Semsettin Yesilyurt 08/11/2022

Quant Time: Aug 10 17:02:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 17:00:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	70140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	121986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	117554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	4360	6.773	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	13.540%#		
35) Dibromofluoromethane	7.704	113	3969	5.954	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.900%#		
50) Toluene-d8	10.173	98	15451	6.564	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	13.120%#		
62) 4-Bromofluorobenzene	12.477	95	5260	5.621	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.240%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	3127	5.281	ug/l	94
3) Chloromethane	2.107	50	3451	4.839	ug/l	97
4) Vinyl Chloride	2.241	62	3683	4.963	ug/l	99
5) Bromomethane	2.637	94	3060	5.998	ug/l	98
6) Chloroethane	2.778	64	2580	5.615	ug/l	90
7) Trichlorofluoromethane	3.107	101	7575	6.089	ug/l	92
8) Diethyl Ether	3.515	74	2760	6.223	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.881	101	4393	6.032	ug/l	95
10) Methyl Iodide	4.076	142	4160	5.007	ug/l #	92
11) Tert butyl alcohol	4.948	59	1744	22.434	ug/l #	78
12) 1,1-Dichloroethene	3.857	96	4233	6.241	ug/l	97
13) Acrolein	3.716	56	2942	115.036	ug/l	100
14) Allyl chloride	4.460	41	7240	5.827	ug/l	92
15) Acrylonitrile	5.149	53	6440	27.447	ug/l	96
16) Acetone	3.936	43	4924	26.019	ug/l	95
17) Carbon Disulfide	4.180	76	13248	6.175	ug/l	100
18) Methyl Acetate	4.466	43	4509	6.768	ug/l	96
19) Methyl tert-butyl Ether	5.210	73	9864	5.261	ug/l	99
20) Methylene Chloride	4.704	84	7259	5.685	ug/l	96
21) trans-1,2-Dichloroethene	5.204	96	4508	5.833	ug/l #	87
22) Diisopropyl ether	6.106	45	12927	4.940	ug/l	97
23) Vinyl Acetate	6.051	43	36430	22.366	ug/l	98
24) 1,1-Dichloroethane	6.003	63	8168	5.748	ug/l	96
25) 2-Butanone	6.972	43	7595	23.955	ug/l	93
26) 2,2-Dichloropropane	6.966	77	6241	5.125	ug/l	99
27) cis-1,2-Dichloroethene	6.966	96	4788	5.446	ug/l	99
28) Bromochloromethane	7.313	49	3358	6.446	ug/l #	94
29) Tetrahydrofuran	7.338	42	4983	23.800	ug/l	99
30) Chloroform	7.496	83	7993	5.591	ug/l	97
31) Cyclohexane	7.777	56	8244	6.042	ug/l #	82
32) 1,1,1-Trichloroethane	7.691	97	6458	5.360	ug/l	95
36) 1,1-Dichloropropene	7.905	75	5874	5.214	ug/l	96
37) Ethyl Acetate	7.057	43	3451	4.708	ug/l #	78
38) Carbon Tetrachloride	7.893	117	5704	5.136	ug/l	98
39) Methylcyclohexane	9.179	83	6843	5.152	ug/l	91
40) Benzene	8.155	78	18531	5.483	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	1791	4.465	ug/l #	100
42) 1,2-Dichloroethane	8.228	62	4909	5.261	ug/l	100
43) Isopropyl Acetate	8.264	43	6161	4.742	ug/l	99
44) Trichloroethene	8.935	130	4739	5.409	ug/l	99
45) 1,2-Dichloropropane	9.209	63	4372	4.998	ug/l	95
46) Dibromomethane	9.301	93	2675	5.479	ug/l	94
47) Bromodichloromethane	9.490	83	6092	5.440	ug/l	95
48) Methyl methacrylate	9.289	41	2722	4.704	ug/l	96
49) 1,4-Dioxane	9.289	88	405	74.681	ug/l #	70
51) 4-Methyl-2-Pentanone	10.063	43	15484	21.564	ug/l	96
52) Toluene	10.240	92	10842	5.167	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	5772	4.915	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	6816	5.081	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	4117	5.846	ug/l	98
56) Ethyl methacrylate	10.502	69	3794	4.184	ug/l	91
57) 1,3-Dichloropropane	10.788	76	6735	5.704	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	10512	24.305	ug/l	96
59) 2-Hexanone	10.831	43	11190	22.944	ug/l	95
60) Dibromochloromethane	10.977	129	4559	5.620	ug/l	99
61) 1,2-Dibromoethane	11.081	107	3707	5.554	ug/l	95
64) Tetrachloroethene	10.715	164	4753	5.460	ug/l	96
65) Chlorobenzene	11.514	112	12965	5.505	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.581	131	4324	5.046	ug/l	93
67) Ethyl Benzene	11.587	91	20539	4.992	ug/l	95
68) m/p-Xylenes	11.697	106	15205	9.560	ug/l	94
69) o-Xylene	12.026	106	7277	4.907	ug/l	98
70) Styrene	12.044	104	11409	4.467	ug/l	98
71) Bromoform	12.203	173	2520	4.813	ug/l #	98
73) Isopropylbenzene	12.325	105	18065	4.829	ug/l	99
74) N-amyl acetate	12.142	43	5001	4.182	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	4374	5.136	ug/l	96
76) 1,2,3-Trichloropropane	12.630	75	2451m	4.054	ug/l	
77) Bromobenzene	12.605	156	4542	5.057	ug/l	87
78) n-propylbenzene	12.666	91	23303	4.917	ug/l	96
79) 2-Chlorotoluene	12.751	91	13487	5.079	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	14588	4.662	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	1300	4.328	ug/l	96
82) 4-Chlorotoluene	12.855	91	14475	5.180	ug/l	96
83) tert-Butylbenzene	13.075	119	12776	4.764	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	14440	4.716	ug/l	100
85) sec-Butylbenzene	13.251	105	20109	4.868	ug/l	98
86) p-Isopropyltoluene	13.367	119	15541	4.643	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	9720	5.407	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	10069	5.511	ug/l	94
89) n-Butylbenzene	13.696	91	15586	4.752	ug/l	96
90) Hexachloroethane	13.959	117	3615	5.158	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	8742	5.356	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	663	4.939	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	4391	4.726	ug/l	97
94) Hexachlorobutadiene	15.105	225	2853	5.457	ug/l	98
95) Naphthalene	15.233	128	8640	4.468	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	4072	4.942	ug/l	99

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

