

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081022\
 Data File : VY009955.D
 Acq On : 10 Aug 2022 16:55
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Aug 10 17:10:57 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	83144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	139554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	125198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	60860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	61286	80.318	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 160.640%			
35) Dibromofluoromethane	7.704	113	71264	93.454	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 186.900%#			
50) Toluene-d8	10.173	98	222222	82.523	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 165.040%#			
62) 4-Bromofluorobenzene	12.477	95	108579	101.419	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 202.840%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.894	85	64264	91.555	ug/l	98
3) Chloromethane	2.101	50	60627	71.722	ug/l	97
4) Vinyl Chloride	2.235	62	65745	74.734	ug/l	97
5) Bromomethane	2.625	94	44937	74.311	ug/l	99
7) Trichlorofluoromethane	3.107	101	148837	100.935	ug/l	98
8) Diethyl Ether	3.515	74	57668	109.693	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.881	101	92328	106.954	ug/l	96
10) Methyl Iodide	4.076	142	115884	117.667	ug/l	99
11) Tert butyl alcohol	4.948	59	42148	457.379	ug/l #	92
12) 1,1-Dichloroethene	3.851	96	90695	112.806	ug/l	96
13) Acrolein	3.716	56	64596	2130.745	ug/l	99
14) Allyl chloride	4.460	41	157190	106.722	ug/l	98
15) Acrylonitrile	5.149	53	143918	517.446	ug/l	98
16) Acetone	3.936	43	105158	468.762	ug/l	97
17) Carbon Disulfide	4.174	76	290447	114.204	ug/l	99
18) Methyl Acetate	4.460	43	70451	89.206	ug/l	100
19) Methyl tert-butyl Ether	5.210	73	246148	110.749	ug/l	100
20) Methylene Chloride	4.698	84	103768	68.557	ug/l	98
21) trans-1,2-Dichloroethene	5.198	96	103168	112.620	ug/l	95
22) Diisopropyl ether	6.106	45	310263	100.016	ug/l	98
23) Vinyl Acetate	6.045	43	1016979	526.721	ug/l	99
24) 1,1-Dichloroethane	6.003	63	173752	103.153	ug/l	98
25) 2-Butanone	6.972	43	177496	472.268	ug/l	99
26) 2,2-Dichloropropane	6.966	77	139046	96.314	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	113616	109.020	ug/l	96
28) Bromochloromethane	7.319	49	73780	119.473	ug/l	99
29) Tetrahydrofuran	7.338	42	122833	494.923	ug/l	98
30) Chloroform	7.496	83	173159	102.178	ug/l	97
31) Cyclohexane	7.771	56	166944	103.213	ug/l	98
32) 1,1,1-Trichloroethane	7.691	97	147351	103.179	ug/l	99
36) 1,1-Dichloropropene	7.905	75	137002	106.294	ug/l	99
37) Ethyl Acetate	7.063	43	80927	96.509	ug/l	99
38) Carbon Tetrachloride	7.893	117	133228	104.859	ug/l	100
39) Methylcyclohexane	9.173	83	173696	114.301	ug/l	96
40) Benzene	8.155	78	410251	106.115	ug/l	99
41) Methacrylonitrile	7.295	41	39718m	86.562	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.228	62	108738	101.867	ug/l	99
43) Isopropyl Acetate	8.264	43	149931	100.867	ug/l	99
44) Trichloroethene	8.929	130	107910	107.666	ug/l	99
45) 1,2-Dichloropropane	9.209	63	103622	103.543	ug/l	97
46) Dibromomethane	9.301	93	58344	104.449	ug/l	95
47) Bromodichloromethane	9.490	83	133613	104.302	ug/l	98
48) Methyl methacrylate	9.289	41	66572	100.552	ug/l	97
49) 1,4-Dioxane	9.289	88	14502	2337.489	ug/l	98
51) 4-Methyl-2-Pentanone	10.063	43	403578	491.290	ug/l	99
52) Toluene	10.240	92	254237	105.902	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	141979	105.672	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	165167	107.633	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	83533	103.680	ug/l	99
56) Ethyl methacrylate	10.508	69	118451	114.177	ug/l	98
57) 1,3-Dichloropropane	10.782	76	142172	105.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	291962	590.072	ug/l	98
59) 2-Hexanone	10.825	43	283347	507.834	ug/l	98
60) Dibromochloromethane	10.977	129	95440	102.839	ug/l	100
61) 1,2-Dibromoethane	11.081	107	80113	104.925	ug/l	99
64) Tetrachloroethene	10.715	164	95538	103.040	ug/l	99
65) Chlorobenzene	11.514	112	266448	106.233	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	92839	101.723	ug/l	97
67) Ethyl Benzene	11.587	91	475475	108.511	ug/l	97
68) m/p-Xylenes	11.697	106	363968	214.873	ug/l	95
69) o-Xylene	12.026	106	173011	109.551	ug/l	95
70) Styrene	12.038	104	297281	109.287	ug/l	99
71) Bromoform	12.203	173	57799	103.660	ug/l	99
73) Isopropylbenzene	12.325	105	453459	109.713	ug/l	99
74) N-amyl acetate	12.142	43	139133	105.326	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	96424	102.478	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	68437m	102.462	ug/l	
77) Bromobenzene	12.605	156	104235	105.059	ug/l	88
78) n-propylbenzene	12.666	91	574907	109.799	ug/l	98
79) 2-Chlorotoluene	12.751	91	323877	110.391	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	379619	109.824	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	35686	107.533	ug/l	95
82) 4-Chlorotoluene	12.849	91	334812	108.455	ug/l	96
83) tert-Butylbenzene	13.068	119	330039	111.393	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	372770	110.200	ug/l	98
85) sec-Butylbenzene	13.251	105	498480	109.229	ug/l	98
86) p-Isopropyltoluene	13.367	119	406947	110.061	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	203890	102.655	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	208014	103.050	ug/l	99
89) n-Butylbenzene	13.690	91	402516	111.096	ug/l	98
90) Hexachloroethane	13.959	117	81258	104.950	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	188933	104.784	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15440	104.122	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	113129	110.211	ug/l	98
94) Hexachlorobutadiene	15.111	225	58341	101.006	ug/l	99
95) Naphthalene	15.233	128	266810	124.895	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	102777	112.915	ug/l	98

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

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