

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010551.D
 Acq On : 19 Sep 2022 13:47
 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 09/20/2022
 Supervised By :Mahesh Dadoda 09/20/2022

Quant Time: Sep 20 00:39:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 00:36:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	300415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	468314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	425238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	215800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	300515	104.585	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 209.180%#			
35) Dibromofluoromethane	7.710	113	285096	95.389	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 190.780%#			
50) Toluene-d8	10.179	98	1132375	111.238	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 222.480%#			
62) 4-Bromofluorobenzene	12.477	95	386717	87.129	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 174.260%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	127889	76.339	ug/l	99
3) Chloromethane	2.107	50	194568	82.905	ug/l	97
4) Vinyl Chloride	2.241	62	256679	87.123	ug/l	99
5) Bromomethane	2.631	94	171949	81.856	ug/l	97
6) Chloroethane	2.784	64	184938	87.390	ug/l	98
7) Trichlorofluoromethane	3.113	101	356027	90.193	ug/l	95
8) Diethyl Ether	3.521	74	126781	93.673	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.887	101	219089	92.221	ug/l	95
10) Methyl Iodide	4.082	142	261193	95.171	ug/l	91
11) Tert butyl alcohol	4.948	59	125134	428.837	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	190488	89.796	ug/l	84
13) Acrolein	3.716	56	60287	451.025	ug/l	98
14) Allyl chloride	4.472	41	297965	93.167	ug/l #	93
15) Acrylonitrile	5.149	53	347076	494.080	ug/l	97
16) Acetone	3.942	43	278371	475.068	ug/l #	88
17) Carbon Disulfide	4.180	76	388207	82.020	ug/l	99
18) Methyl Acetate	4.466	43	157887	83.059	ug/l #	86
19) Methyl tert-butyl Ether	5.210	73	656003	99.188	ug/l	95
20) Methylene Chloride	4.704	84	271864	57.677	ug/l #	84
21) trans-1,2-Dichloroethene	5.204	96	214850	90.002	ug/l	87
22) Diisopropyl ether	6.112	45	742329	98.329	ug/l #	91
23) Vinyl Acetate	6.051	43	2345924	526.017	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	425683	93.948	ug/l	99
25) 2-Butanone	6.978	43	451383	492.490	ug/l #	84
26) 2,2-Dichloropropane	6.972	77	403832	92.684	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	280226	94.224	ug/l	88
28) Bromochloromethane	7.326	49	222721	123.300	ug/l #	80
29) Tetrahydrofuran	7.338	42	284037	504.567	ug/l #	83
30) Chloroform	7.502	83	465857	95.033	ug/l	99
31) Cyclohexane	7.777	56	304443	82.140	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	413148	94.698	ug/l	95
36) 1,1-Dichloropropene	7.911	75	312377	93.803	ug/l	97
37) Ethyl Acetate	7.063	43	195671	101.727	ug/l #	94
38) Carbon Tetrachloride	7.892	117	366047	95.597	ug/l	100
39) Methylcyclohexane	9.179	83	359291	92.180	ug/l	89
40) Benzene	8.155	78	938764	94.560	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	105555m	94.377	ug/l	
42) 1,2-Dichloroethane	8.234	62	296164	96.879	ug/l	92
43) Isopropyl Acetate	8.270	43	369259	104.730	ug/l #	91
44) Trichloroethene	8.935	130	268300	94.408	ug/l	98
45) 1,2-Dichloropropane	9.209	63	247365	96.317	ug/l	94
46) Dibromomethane	9.301	93	147381	97.721	ug/l	98
47) Bromodichloromethane	9.490	83	369043	99.099	ug/l	98
48) Methyl methacrylate	9.289	41	164145	105.463	ug/l #	83
49) 1,4-Dioxane	9.295	88	43934	1980.988	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	1053736	529.352	ug/l	89
52) Toluene	10.240	92	620973	95.597	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	378098	100.412	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	416068	99.108	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	220117	99.223	ug/l	98
56) Ethyl methacrylate	10.508	69	308662	107.402	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	363425	98.900	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	836464	577.014	ug/l	94
59) 2-Hexanone	10.831	43	728515	539.945	ug/l	87
60) Dibromochloromethane	10.983	129	274898	101.259	ug/l	100
61) 1,2-Dibromoethane	11.087	107	204246	98.344	ug/l	99
64) Tetrachloroethene	10.715	164	263521	92.769	ug/l	98
65) Chlorobenzene	11.514	112	700027	95.201	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	280489	97.911	ug/l	98
67) Ethyl Benzene	11.587	91	1247089	96.581	ug/l	99
68) m/p-Xylenes	11.703	106	967578	193.434	ug/l	94
69) o-Xylene	12.026	106	476989	97.807	ug/l	93
70) Styrene	12.038	104	830867	100.290	ug/l	95
71) Bromoform	12.203	173	180992	101.746	ug/l #	99
73) Isopropylbenzene	12.325	105	1275001	95.600	ug/l	100
74) N-amyl acetate	12.142	43	353361	109.259	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	260046	95.686	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	189335m	82.013	ug/l	
77) Bromobenzene	12.605	156	302330	95.274	ug/l	96
78) n-propylbenzene	12.666	91	1518940	95.615	ug/l	98
79) 2-Chlorotoluene	12.751	91	868568	95.956	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	1078021	95.663	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	93608	101.051	ug/l	88
82) 4-Chlorotoluene	12.849	91	901255	96.422	ug/l	98
83) tert-Butylbenzene	13.074	119	983609	97.597	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	1081747	96.626	ug/l	99
85) sec-Butylbenzene	13.251	105	1432318	97.040	ug/l	99
86) p-Isopropyltoluene	13.367	119	1225576	99.361	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	617476	95.869	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	607260	95.261	ug/l	99
89) n-Butylbenzene	13.696	91	1113779	98.364	ug/l	99
90) Hexachloroethane	13.958	117	225923	95.397	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	550289	95.911	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	44020	97.066	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	343309	98.088	ug/l	99
94) Hexachlorobutadiene	15.111	225	197108	92.656	ug/l	99
95) Naphthalene	15.233	128	730527	103.587	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	298998	98.111	ug/l	99

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

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