

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100923\
 Data File : VY015878.D
 Acq On : 09 Oct 2023 13:36
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/10/2023
 Supervised By :Semsettin Yesilyurt 10/10/2023

Quant Time: Oct 10 06:55:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 06:54:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	185845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	314261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	280573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	9176	5.487	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.980%#		
35) Dibromofluoromethane	7.722	113	9072	5.175	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.360%#		
50) Toluene-d8	10.185	98	29016	5.023	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.040%#		
62) 4-Bromofluorobenzene	12.483	95	13003	5.542	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.080%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3552	4.778	ug/l	93
3) Chloromethane	2.119	50	3324	4.372	ug/l	100
4) Vinyl Chloride	2.253	62	4144	4.273	ug/l	99
5) Bromomethane	2.656	94	3979	5.004	ug/l	100
6) Chloroethane	2.796	64	3360	4.412	ug/l	96
7) Trichlorofluoromethane	3.131	101	9126	4.435	ug/l	87
8) Diethyl Ether	3.534	74	3885	4.463	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	6149	4.403	ug/l	99
10) Methyl Iodide	4.101	142	4625	5.418	ug/l	96
11) Tert butyl alcohol	4.948	59	10907	33.909	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	4439	4.133	ug/l #	81
13) Acrolein	3.741	56	2763	27.034	ug/l	100
14) Allyl chloride	4.485	41	8633	4.359	ug/l	90
15) Acrylonitrile	5.180	53	14204	23.728	ug/l	97
16) Acetone	3.954	43	18712	28.139	ug/l #	86
17) Carbon Disulfide	4.198	76	4571	5.419	ug/l #	85
18) Methyl Acetate	4.491	43	10530	4.645	ug/l	92
19) Methyl tert-butyl Ether	5.229	73	22026	4.525	ug/l	96
20) Methylene Chloride	4.722	84	20627	2.985	ug/l	89
21) trans-1,2-Dichloroethene	5.229	96	5374	4.312	ug/l	84
22) Diisopropyl ether	6.131	45	23201	4.380	ug/l #	95
23) Vinyl Acetate	6.070	43	64389	22.105	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	13355	4.577	ug/l	99
25) 2-Butanone	6.996	43	23452	25.566	ug/l	95
26) 2,2-Dichloropropane	6.990	77	13541	4.990	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	8078	4.391	ug/l	99
28) Bromochloromethane	7.338	49	9166	5.450	ug/l	91
29) Tetrahydrofuran	7.356	42	11822	23.558	ug/l	94
30) Chloroform	7.509	83	15050	4.624	ug/l	97
31) Cyclohexane	7.795	56	10141	5.662	ug/l #	47
32) 1,1,1-Trichloroethane	7.710	97	11781	4.432	ug/l	98
36) 1,1-Dichloropropene	7.923	75	8291	4.271	ug/l	99
37) Ethyl Acetate	7.082	43	7338	4.401	ug/l #	92
38) Carbon Tetrachloride	7.905	117	10373	4.449	ug/l	97
39) Methylcyclohexane	9.185	83	8051	4.083	ug/l	99
40) Benzene	8.167	78	26413	4.329	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	4190	4.039	ug/l #	90
42) 1,2-Dichloroethane	8.240	62	9336	4.489	ug/l	93
43) Isopropyl Acetate	8.277	43	13758	4.458	ug/l	96
44) Trichloroethene	8.941	130	7606	4.308	ug/l	99
45) 1,2-Dichloropropane	9.216	63	8189	4.462	ug/l #	83
46) Dibromomethane	9.313	93	4855	4.446	ug/l	96
47) Bromodichloromethane	9.502	83	12094	4.453	ug/l	91
48) Methyl methacrylate	9.301	41	5994	4.398	ug/l	91
49) 1,4-Dioxane	9.301	88	1657	87.287	ug/l #	47
51) 4-Methyl-2-Pentanone	10.075	43	42659	23.103	ug/l	92
52) Toluene	10.252	92	17711	4.373	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	11837	4.311	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	13055	4.377	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	8084	4.649	ug/l	97
56) Ethyl methacrylate	10.514	69	9906	4.196	ug/l #	83
57) 1,3-Dichloropropane	10.795	76	12860	4.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	33416	23.224	ug/l	98
59) 2-Hexanone	10.837	43	32375	23.175	ug/l	89
60) Dibromochloromethane	10.990	129	9606	4.608	ug/l	94
61) 1,2-Dibromoethane	11.093	107	7224	4.549	ug/l	98
64) Tetrachloroethene	10.721	164	8451	4.615	ug/l	96
65) Chlorobenzene	11.520	112	22674	4.633	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	8855	4.427	ug/l	95
67) Ethyl Benzene	11.599	91	36820	4.385	ug/l	98
68) m/p-Xylenes	11.709	106	27109	8.569	ug/l	96
69) o-Xylene	12.032	106	13615	4.301	ug/l	100
70) Styrene	12.050	104	23308	4.220	ug/l	96
71) Bromoform	12.209	173	6354	4.562	ug/l #	99
73) Isopropylbenzene	12.331	105	38359	4.402	ug/l	98
74) N-amyl acetate	12.148	43	11811	4.301	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	10838	4.797	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	7662m	4.897	ug/l	
77) Bromobenzene	12.611	156	9798	4.585	ug/l	98
78) n-propylbenzene	12.672	91	46823	4.468	ug/l	100
79) 2-Chlorotoluene	12.764	91	27047	4.531	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	30523	4.250	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.386	75	3036	4.175	ug/l	98
82) 4-Chlorotoluene	12.855	91	28404	4.566	ug/l	100
83) tert-Butylbenzene	13.081	119	29054	4.335	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	31827	4.400	ug/l	100
85) sec-Butylbenzene	13.258	105	43051	4.380	ug/l	98
86) p-Isopropyltoluene	13.373	119	34964	4.300	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	20294	4.718	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	20904	4.825	ug/l	95
89) n-Butylbenzene	13.703	91	32906	4.276	ug/l	98
90) Hexachloroethane	13.965	117	7331	4.492	ug/l	86
91) 1,2-Dichlorobenzene	13.745	146	18354	4.590	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1833	4.619	ug/l	93
93) 1,2,4-Trichlorobenzene	15.013	180	11911	4.648	ug/l	99
94) Hexachlorobutadiene	15.111	225	6304	4.594	ug/l	98
95) Naphthalene	15.239	128	26886	4.535	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	10240	4.492	ug/l	97

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

