

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022122\
 Data File : VY007562.D
 Acq On : 21 Feb 2022 11:24
 Operator : SY/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 : John Carlone 02/22/2022
 Supervised By : Mahesh Dadoda 02/22/2022

Quant Time: Feb 21 14:18:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 14:18:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	117633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	191414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	177540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	6606	5.188	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.380%#		
35) Dibromofluoromethane	7.722	113	5861	4.874	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.740%#		
50) Toluene-d8	10.185	98	19705	4.393	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	8.780%#		
62) 4-Bromofluorobenzene	12.483	95	8398	5.510	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.020%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	6680	5.118	ug/l	97
3) Chloromethane	2.119	50	6287	4.941	ug/l	94
4) Vinyl Chloride	2.259	62	6698	5.131	ug/l #	85
5) Bromomethane	2.656	94	5668	6.203	ug/l	91
6) Chloroethane	2.802	64	3928	4.997	ug/l	93
7) Trichlorofluoromethane	3.137	101	12134	4.835	ug/l	95
8) Diethyl Ether	3.540	74	3802	5.371	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.905	101	6631	4.908	ug/l	94
10) Methyl Iodide	4.094	142	7596	4.530	ug/l	99
11) Tert butyl alcohol	4.954	59	2865	28.374	ug/l #	87
12) 1,1-Dichloroethene	3.881	96	6087	4.877	ug/l #	77
13) Acrolein	3.735	56	2462	25.160	ug/l	86
14) Allyl chloride	4.478	41	6982	4.134	ug/l #	75
15) Acrylonitrile	5.167	53	7778	25.506	ug/l	98
16) Acetone	3.960	43	7537	23.258	ug/l	90
17) Carbon Disulfide	4.204	76	17183	4.846	ug/l	97
18) Methyl Acetate	4.485	43	4370	6.171	ug/l #	69
19) Methyl tert-butyl Ether	5.228	73	18659	5.377	ug/l #	87
20) Methylene Chloride	4.722	84	9429	6.820	ug/l #	69
21) trans-1,2-Dichloroethene	5.228	96	7183	5.320	ug/l #	62
22) Diisopropyl ether	6.118	45	16085	4.555	ug/l #	88
23) Vinyl Acetate	6.064	43	48588	21.373	ug/l #	85
24) 1,1-Dichloroethane	6.027	63	10649	4.704	ug/l #	96
25) 2-Butanone	6.990	43	9419	23.487	ug/l #	78
26) 2,2-Dichloropropane	6.990	77	11161	4.844	ug/l	91
27) cis-1,2-Dichloroethene	6.990	96	8142	5.379	ug/l	79
28) Bromochloromethane	7.332	49	4030	4.763	ug/l #	50
29) Tetrahydrofuran	7.350	42	5451	22.950	ug/l #	58
30) Chloroform	7.508	83	13477	5.398	ug/l	97
31) Cyclohexane	7.795	56	10837	4.993	ug/l #	80
32) 1,1,1-Trichloroethane	7.704	97	11418	4.790	ug/l	91
36) 1,1-Dichloropropene	7.917	75	8799	4.645	ug/l	93
37) Ethyl Acetate	7.076	43	3778	4.478	ug/l #	85
38) Carbon Tetrachloride	7.899	117	11391	5.155	ug/l #	82
39) Methylcyclohexane	9.185	83	11597	4.743	ug/l	87
40) Benzene	8.167	78	24847	4.796	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	2668	4.967	ug/l #	62
42) 1,2-Dichloroethane	8.240	62	9096	5.634	ug/l	94
43) Isopropyl Acetate	8.277	43	8139	4.726	ug/l #	86
44) Trichloroethene	8.947	130	7579	5.045	ug/l	97
45) 1,2-Dichloropropane	9.222	63	5920	4.829	ug/l	100
46) Dibromomethane	9.313	93	4170	5.294	ug/l	98
47) Bromodichloromethane	9.496	83	9535	5.016	ug/l #	92
48) Methyl methacrylate	9.295	41	3681	4.851	ug/l #	77
49) 1,4-Dioxane	9.295	88	1077	127.715	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	19726	23.157	ug/l	88
52) Toluene	10.246	92	17199	5.138	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	10158	5.187	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	11082	5.075	ug/l #	83
55) 1,1,2-Trichloroethane	10.648	97	5907	5.715	ug/l	86
56) Ethyl methacrylate	10.508	69	6819	4.970	ug/l #	82
57) 1,3-Dichloropropane	10.794	76	9592	5.436	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	17660	24.781	ug/l #	86
59) 2-Hexanone	10.831	43	13679	22.470	ug/l	84
60) Dibromochloromethane	10.983	129	7514	5.658	ug/l	98
61) 1,2-Dibromoethane	11.087	107	5833	5.608	ug/l	100
64) Tetrachloroethene	10.727	164	7343	5.297	ug/l #	89
65) Chlorobenzene	11.514	112	19529	5.149	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.599	131	7709	5.326	ug/l	98
67) Ethyl Benzene	11.593	91	33652	4.777	ug/l	97
68) m/p-Xylenes	11.703	106	25556	9.565	ug/l	99
69) o-Xylene	12.032	106	11647	4.599	ug/l	92
70) Styrene	12.044	104	20349	4.888	ug/l	98
71) Bromoform	12.209	173	4720	5.825	ug/l #	98
73) Isopropylbenzene	12.331	105	34239	4.708	ug/l	99
74) N-amyl acetate	12.148	43	6706	4.166	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.587	83	6349	5.113	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	5460m	5.659	ug/l	
77) Bromobenzene	12.611	156	8731	5.527	ug/l	87
78) n-propylbenzene	12.672	91	39096	4.500	ug/l	98
79) 2-Chlorotoluene	12.757	91	23015	4.803	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	28252	4.683	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	2138	4.755	ug/l #	83
82) 4-Chlorotoluene	12.855	91	24109	4.903	ug/l	99
83) tert-Butylbenzene	13.074	119	24607	4.646	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	28105	4.789	ug/l	98
85) sec-Butylbenzene	13.257	105	35807	4.611	ug/l	100
86) p-Isopropyltoluene	13.373	119	29770	4.635	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	15742	5.143	ug/l	95
88) 1,4-Dichlorobenzene	13.446	146	16111	5.287	ug/l	93
89) n-Butylbenzene	13.696	91	26775	4.404	ug/l	99
90) Hexachloroethane	13.965	117	5690	4.584	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	14432	5.319	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	996	4.608	ug/l	70
93) 1,2,4-Trichlorobenzene	15.007	180	8800	5.331	ug/l	94
94) Hexachlorobutadiene	15.117	225	4778	4.948	ug/l	94
95) Naphthalene	15.239	128	19386	5.419	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	8205	5.743	ug/l	93

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

