

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052022\
 Data File : VY008912.D
 Acq On : 20 May 2022 18:39
 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 : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 20 22:59:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 22:58:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	127204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	208319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	192654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	7575	6.665	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	13.320%#		
35) Dibromofluoromethane	7.716	113	6728	5.665	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.340%#		
50) Toluene-d8	10.179	98	25669	5.768	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	11.540%#		
62) 4-Bromofluorobenzene	12.483	95	8369	4.945	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.900%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6140	5.962	ug/l	99
3) Chloromethane	2.113	50	9941	6.339	ug/l #	88
4) Vinyl Chloride	2.247	62	13764	6.183	ug/l	94
5) Bromomethane	2.643	94	13045	7.550	ug/l	100
6) Chloroethane	2.796	64	9567	5.914	ug/l	93
7) Trichlorofluoromethane	3.125	101	10973	5.358	ug/l	100
8) Diethyl Ether	3.521	74	3472	5.925	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	7072	5.749	ug/l	90
10) Methyl Iodide	4.094	142	4773m	3.482	ug/l	
11) Tert butyl alcohol	4.948	59	3810	28.932	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	6158	5.490	ug/l #	74
13) Acrolein	3.735	56	1565	25.441	ug/l	98
14) Allyl chloride	4.485	41	9083	5.466	ug/l #	90
15) Acrylonitrile	5.161	53	9414	24.566	ug/l	97
16) Acetone	3.948	43	8474	27.913	ug/l	96
17) Carbon Disulfide	4.192	76	19671	5.773	ug/l	97
18) Methyl Acetate	4.478	43	4747	4.898	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	17579	5.741	ug/l	99
20) Methylene Chloride	4.716	84	16510	10.320	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	7592	5.507	ug/l	85
22) Diisopropyl ether	6.118	45	20452	5.727	ug/l	97
23) Vinyl Acetate	6.057	43	66053	26.543	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	13099	5.628	ug/l	98
25) 2-Butanone	6.984	43	12991	25.985	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	12559	5.722	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	8314	5.402	ug/l	90
28) Bromochloromethane	7.338	49	4604	5.401	ug/l	90
29) Tetrahydrofuran	7.350	42	8431	25.225	ug/l #	86
30) Chloroform	7.502	83	14309	5.746	ug/l	96
31) Cyclohexane	7.783	56	14293	6.491	ug/l #	76
32) 1,1,1-Trichloroethane	7.697	97	12402	5.372	ug/l	98
36) 1,1-Dichloropropene	7.911	75	11384	5.620	ug/l	99
37) Ethyl Acetate	7.069	43	6330	5.377	ug/l	97
38) Carbon Tetrachloride	7.899	117	10995	5.087	ug/l	94
39) Methylcyclohexane	9.179	83	12906	5.264	ug/l #	85
40) Benzene	8.161	78	30817	5.420	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	2704m	4.361	ug/l	
42) 1,2-Dichloroethane	8.240	62	9590	5.744	ug/l	94
43) Isopropyl Acetate	8.270	43	10417	5.224	ug/l #	89
44) Trichloroethene	8.941	130	8331	5.417	ug/l	100
45) 1,2-Dichloropropane	9.215	63	7516	5.543	ug/l	97
46) Dibromomethane	9.301	93	4780	5.385	ug/l	87
47) Bromodichloromethane	9.490	83	10951	5.559	ug/l	87
48) Methyl methacrylate	9.295	41	4230	4.792	ug/l #	74
49) 1,4-Dioxane	9.301	88	1302	100.785	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	28039	24.064	ug/l	91
52) Toluene	10.246	92	19671	5.056	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	10455	5.079	ug/l	91
54) cis-1,3-Dichloropropene	9.929	75	11997	5.413	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	6282	5.205	ug/l	97
56) Ethyl methacrylate	10.508	69	7097	4.780	ug/l	91
57) 1,3-Dichloropropane	10.788	76	10686	5.375	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	17052	23.416	ug/l	93
59) 2-Hexanone	10.831	43	17837	21.625	ug/l	92
60) Dibromochloromethane	10.983	129	7350	5.040	ug/l	100
61) 1,2-Dibromoethane	11.087	107	6188	5.132	ug/l	96
64) Tetrachloroethene	10.715	164	6945	5.418	ug/l	93
65) Chlorobenzene	11.514	112	21265	5.269	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	7395	4.993	ug/l	95
67) Ethyl Benzene	11.593	91	36143	4.983	ug/l	99
68) m/p-Xylenes	11.703	106	26836	9.231	ug/l	97
69) o-Xylene	12.032	106	13120	4.889	ug/l	92
70) Styrene	12.044	104	20659	4.512	ug/l	93
71) Bromoform	12.209	173	4483	4.461	ug/l #	95
73) Isopropylbenzene	12.331	105	33206	5.062	ug/l	100
74) N-amyl acetate	12.142	43	8492	5.456	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	8174	5.681	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	4613m	4.247	ug/l	
77) Bromobenzene	12.611	156	8294	5.459	ug/l	95
78) n-propylbenzene	12.672	91	41899	5.572	ug/l	99
79) 2-Chlorotoluene	12.757	91	22546	5.161	ug/l	92
80) 1,3,5-Trimethylbenzene	12.812	105	26894	5.048	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	2467	5.001	ug/l	97
82) 4-Chlorotoluene	12.855	91	24030	5.189	ug/l	99
83) tert-Butylbenzene	13.074	119	24185	5.067	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	26491	5.014	ug/l	99
85) sec-Butylbenzene	13.257	105	37548	5.048	ug/l	99
86) p-Isopropyltoluene	13.373	119	28839	4.745	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	16685	5.212	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	17729	5.603	ug/l	97
89) n-Butylbenzene	13.696	91	28583	4.992	ug/l	99
90) Hexachloroethane	13.965	117	6192	5.399	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	14995	5.372	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1219	5.024	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	8291	5.444	ug/l	97
94) Hexachlorobutadiene	15.117	225	4710	5.411	ug/l	95
95) Naphthalene	15.233	128	15735	4.697	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	7639	5.726	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

