

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007069.D
 Acq On : 08 Jan 2022 10:51
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/10/2022
 Supervised By : Mahesh Dadoda 01/10/2022

Quant Time: Jan 10 02:58:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 02:57:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	143188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	246108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	217985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	9792	5.968	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.940%#		
35) Dibromofluoromethane	7.728	113	9244	5.869	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.740%#		
50) Toluene-d8	10.185	98	34183	5.850	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	11.700%#		
62) 4-Bromofluorobenzene	12.483	95	12968	5.933	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.860%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	2098	4.398	ug/l	78
3) Chloromethane	2.119	50	6182	5.646	ug/l	89
4) Vinyl Chloride	2.266	62	7921	5.795	ug/l	99
5) Bromomethane	2.668	94	5560	6.023	ug/l	95
6) Chloroethane	2.814	64	4749	5.606	ug/l	96
7) Trichlorofluoromethane	3.137	101	9001	5.335	ug/l	95
8) Diethyl Ether	3.534	74	4840	5.270	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.918	101	8577	5.256	ug/l	98
10) Methyl Iodide	4.101	142	13062	5.133	ug/l	99
11) Tert butyl alcohol	4.960	59	3917	26.548	ug/l	98
12) 1,1-Dichloroethene	3.881	96	8892	5.246	ug/l	93
13) Acrolein	3.735	56	1559	34.465	ug/l	87
14) Allyl chloride	4.491	41	13671	5.307	ug/l	98
15) Acrylonitrile	5.174	53	10505	23.549	ug/l	98
16) Acetone	3.954	43	8756	24.406	ug/l #	83
17) Carbon Disulfide	4.204	76	25482	5.142	ug/l	99
18) Methyl Acetate	4.479	43	8459	5.524	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	18883	5.888	ug/l	96
20) Methylene Chloride	4.722	84	13111	4.043	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	9859	5.481	ug/l	97
22) Diisopropyl ether	6.125	45	27496	5.424	ug/l	98
23) Vinyl Acetate	6.070	43	76953	25.035	ug/l	100
24) 1,1-Dichloroethane	6.027	63	16578	5.332	ug/l	97
25) 2-Butanone	6.990	43	13503	25.979	ug/l	95
26) 2,2-Dichloropropane	6.990	77	14594	6.130	ug/l	94
27) cis-1,2-Dichloroethene	6.996	96	10774	5.345	ug/l	96
28) Bromochloromethane	7.344	49	6165	5.457	ug/l	96
29) Tetrahydrofuran	7.356	42	9644	25.257	ug/l	97
30) Chloroform	7.515	83	17603	5.417	ug/l	92
31) Cyclohexane	7.795	56	17952	5.836	ug/l #	87
32) 1,1,1-Trichloroethane	7.710	97	15607	5.410	ug/l	98
36) 1,1-Dichloropropene	7.923	75	13829	5.237	ug/l	99
37) Ethyl Acetate	7.082	43	6867	5.149	ug/l	98
38) Carbon Tetrachloride	7.911	117	14625	5.305	ug/l	99
39) Methylcyclohexane	9.191	83	17286	5.033	ug/l	97
40) Benzene	8.167	78	38041	5.316	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	3911	5.308	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	11416	5.242	ug/l	100
43) Isopropyl Acetate	8.277	43	13179	5.113	ug/l	98
44) Trichloroethene	8.947	130	10725	5.378	ug/l	92
45) 1,2-Dichloropropane	9.215	63	9332	5.347	ug/l	94
46) Dibromomethane	9.307	93	5721	5.419	ug/l	97
47) Bromodichloromethane	9.502	83	14137	5.482	ug/l	93
48) Methyl methacrylate	9.301	41	5527	4.568	ug/l	97
49) 1,4-Dioxane	9.313	88	956	89.797	ug/l #	74
51) 4-Methyl-2-Pentanone	10.075	43	30768	24.123	ug/l	99
52) Toluene	10.252	92	24304	5.293	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	14158	5.111	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	16245	5.266	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	7605	5.250	ug/l	93
56) Ethyl methacrylate	10.514	69	10181	4.918	ug/l	94
57) 1,3-Dichloropropane	10.794	76	13320	5.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	25827	28.296	ug/l	98
59) 2-Hexanone	10.837	43	19822	23.858	ug/l	100
60) Dibromochloromethane	10.990	129	9417	5.298	ug/l	94
61) 1,2-Dibromoethane	11.093	107	7719	5.322	ug/l	93
64) Tetrachloroethene	10.727	164	8234	5.106	ug/l	90
65) Chlorobenzene	11.520	112	24969	5.166	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	9437	5.427	ug/l	98
67) Ethyl Benzene	11.599	91	47224	5.268	ug/l	98
68) m/p-Xylenes	11.709	106	35553	10.457	ug/l	99
69) o-Xylene	12.032	106	16486	5.165	ug/l	97
70) Styrene	12.050	104	27315	5.040	ug/l	99
71) Bromoform	12.215	173	5196	5.008	ug/l #	97
73) Isopropylbenzene	12.337	105	44331	5.152	ug/l	99
74) N-amyl acetate	12.148	43	10997	4.933	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	8538	5.224	ug/l	94
76) 1,2,3-Trichloropropane	12.636	75	6250m	5.194	ug/l	
77) Bromobenzene	12.617	156	10268	5.490	ug/l	96
78) n-propylbenzene	12.678	91	54121	5.163	ug/l	97
79) 2-Chlorotoluene	12.764	91	31474	5.277	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	36774	5.171	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	3092	4.698	ug/l #	97
82) 4-Chlorotoluene	12.861	91	32043	5.162	ug/l	98
83) tert-Butylbenzene	13.081	119	32286	5.150	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	36313	5.190	ug/l	98
85) sec-Butylbenzene	13.257	105	47509	5.204	ug/l	100
86) p-Isopropyltoluene	13.373	119	38796	5.173	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	19460	5.349	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	19592	5.399	ug/l	94
89) n-Butylbenzene	13.702	91	37271	5.141	ug/l	100
90) Hexachloroethane	13.965	117	7863	5.266	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	16926	5.269	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1413	4.657	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	9782	5.020	ug/l	99
94) Hexachlorobutadiene	15.117	225	5310	5.231	ug/l	98
95) Naphthalene	15.239	128	19808	4.611	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	8304	4.953	ug/l	99

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

