

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007070.D
 Acq On : 08 Jan 2022 11:13
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Jan 10 02:59:09 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	7.801	168	147138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	250054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	224484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	19515	11.574	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	23.140%#		
35) Dibromofluoromethane	7.722	113	17907	11.191	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	22.380%#		
50) Toluene-d8	10.185	98	66365	11.177	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	22.360%#		
62) 4-Bromofluorobenzene	12.483	95	24529	11.045	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	22.100%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	4844	9.881	ug/l	97
3) Chloromethane	2.119	50	10589	9.411	ug/l	93
4) Vinyl Chloride	2.265	62	15685	11.168	ug/l	100
5) Bromomethane	2.662	94	10453	11.020	ug/l	95
6) Chloroethane	2.808	64	9545	10.966	ug/l	93
7) Trichlorofluoromethane	3.137	101	19276	11.118	ug/l	99
8) Diethyl Ether	3.540	74	9372	9.931	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	16486	9.832	ug/l	99
10) Methyl Iodide	4.094	142	25805	9.869	ug/l	99
11) Tert butyl alcohol	4.960	59	7508	49.520	ug/l #	85
12) 1,1-Dichloroethene	3.881	96	16818	9.656	ug/l	91
13) Acrolein	3.735	56	2716	58.432	ug/l	96
14) Allyl chloride	4.491	41	25824	9.755	ug/l	99
15) Acrylonitrile	5.167	53	21798	47.552	ug/l	98
16) Acetone	3.954	43	16736	45.396	ug/l	97
17) Carbon Disulfide	4.204	76	49024	9.627	ug/l	97
18) Methyl Acetate	4.485	43	16462	10.462	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	35644	10.815	ug/l	96
20) Methylene Chloride	4.728	84	21924	6.579	ug/l	97
21) trans-1,2-Dichloroethene	5.234	96	18742	10.140	ug/l	90
22) Diisopropyl ether	6.125	45	55191	10.595	ug/l	96
23) Vinyl Acetate	6.064	43	148629	47.055	ug/l	99
24) 1,1-Dichloroethane	6.027	63	32443	10.155	ug/l	97
25) 2-Butanone	6.990	43	26492	49.601	ug/l	99
26) 2,2-Dichloropropane	6.990	77	26054	10.650	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	21232	10.251	ug/l	99
28) Bromochloromethane	7.338	49	10588	9.121	ug/l	100
29) Tetrahydrofuran	7.350	42	18624	47.465	ug/l	98
30) Chloroform	7.515	83	34726	10.399	ug/l	98
31) Cyclohexane	7.789	56	31884	10.087	ug/l #	93
32) 1,1,1-Trichloroethane	7.716	97	29921	10.093	ug/l	99
36) 1,1-Dichloropropene	7.923	75	26576	9.906	ug/l	99
37) Ethyl Acetate	7.082	43	13338	9.844	ug/l	97
38) Carbon Tetrachloride	7.911	117	27818	9.932	ug/l	100
39) Methylcyclohexane	9.191	83	33195	9.513	ug/l	99
40) Benzene	8.167	78	71868	9.884	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	7662m	10.235	ug/l	
42) 1,2-Dichloroethane	8.246	62	22169	10.018	ug/l	100
43) Isopropyl Acetate	8.283	43	24986	9.541	ug/l	99
44) Trichloroethene	8.941	130	19770	9.758	ug/l	96
45) 1,2-Dichloropropane	9.222	63	17896	10.093	ug/l	98
46) Dibromomethane	9.313	93	10606	9.888	ug/l	99
47) Bromodichloromethane	9.502	83	26682	10.184	ug/l	99
48) Methyl methacrylate	9.301	41	11156	9.075	ug/l	96
49) 1,4-Dioxane	9.313	88	2306	213.184	ug/l	86
51) 4-Methyl-2-Pentanone	10.075	43	61825	47.709	ug/l	100
52) Toluene	10.246	92	45543	9.763	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	27667	9.830	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	31351	10.002	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	14577	9.904	ug/l	97
56) Ethyl methacrylate	10.514	69	19638	9.337	ug/l	98
57) 1,3-Dichloropropane	10.794	76	25181	9.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	47017	50.700	ug/l	99
59) 2-Hexanone	10.837	43	40171	47.587	ug/l	99
60) Dibromochloromethane	10.989	129	18037	9.987	ug/l	99
61) 1,2-Dibromoethane	11.093	107	14397	9.769	ug/l	100
64) Tetrachloroethene	10.721	164	16269	9.797	ug/l	91
65) Chlorobenzene	11.520	112	49404	9.926	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	17775	9.927	ug/l	97
67) Ethyl Benzene	11.599	91	91091	9.868	ug/l	98
68) m/p-Xylenes	11.703	106	68355	19.524	ug/l	100
69) o-Xylene	12.032	106	32326	9.833	ug/l	99
70) Styrene	12.050	104	54393	9.745	ug/l	99
71) Bromoform	12.209	173	10119	9.470	ug/l #	100
73) Isopropylbenzene	12.331	105	86583	9.827	ug/l	100
74) N-amyl acetate	12.148	43	21464	9.404	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	16491	9.855	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	11314m	9.183	ug/l	
77) Bromobenzene	12.611	156	19168	10.009	ug/l	100
78) n-propylbenzene	12.672	91	105685	9.847	ug/l	100
79) 2-Chlorotoluene	12.757	91	60117	9.845	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	70930	9.742	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	5842	8.669	ug/l #	97
82) 4-Chlorotoluene	12.855	91	62545	9.841	ug/l	99
83) tert-Butylbenzene	13.081	119	63862	9.949	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	70161	9.794	ug/l	98
85) sec-Butylbenzene	13.257	105	91664	9.807	ug/l	100
86) p-Isopropyltoluene	13.373	119	75802	9.871	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	37204	9.988	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	37206	10.014	ug/l	97
89) n-Butylbenzene	13.702	91	73597	9.915	ug/l	99
90) Hexachloroethane	13.965	117	14578	9.536	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	32489	9.878	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2786	8.967	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	18878	9.463	ug/l	98
94) Hexachlorobutadiene	15.111	225	9916	9.542	ug/l	97
95) Naphthalene	15.239	128	38505	8.755	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	15754	9.177	ug/l	98

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

