

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021422\
 Data File : VY007490.D
 Acq On : 14 Feb 2022 11:43
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 15 03:45:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 03:43:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	137372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	225197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	197292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	15268	10.135	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.260%#		
35) Dibromofluoromethane	7.722	113	14082	9.917	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.840%#		
50) Toluene-d8	10.185	98	54069	10.017	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.040%#		
62) 4-Bromofluorobenzene	12.489	95	19029	10.334	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	20.660%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	15542	10.147	ug/l	92
3) Chloromethane	2.119	50	16153	10.760	ug/l	94
4) Vinyl Chloride	2.260	62	16698	11.095	ug/l	96
5) Bromomethane	2.662	94	11945	11.131	ug/l	98
6) Chloroethane	2.802	64	10014	11.027	ug/l	91
7) Trichlorofluoromethane	3.137	101	28778	9.930	ug/l	94
8) Diethyl Ether	3.540	74	8601	10.351	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.912	101	16064	10.041	ug/l	92
10) Methyl Iodide	4.107	142	18010	9.433	ug/l	93
11) Tert butyl alcohol	4.954	59	6063	50.940	ug/l	100
12) 1,1-Dichloroethene	3.881	96	14862	10.022	ug/l #	77
13) Acrolein	3.741	56	6879	58.856	ug/l	95
14) Allyl chloride	4.485	41	21333	10.251	ug/l #	93
15) Acrylonitrile	5.168	53	19648	54.056	ug/l	97
16) Acetone	3.960	43	19136	47.871	ug/l #	87
17) Carbon Disulfide	4.210	76	42943	10.090	ug/l	98
18) Methyl Acetate	4.485	43	8896	10.451	ug/l #	84
19) Methyl tert-butyl Ether	5.222	73	42649	10.389	ug/l	95
20) Methylene Chloride	4.722	84	17965	10.838	ug/l	85
21) trans-1,2-Dichloroethene	5.235	96	15802	9.787	ug/l	83
22) Diisopropyl ether	6.125	45	45799	10.597	ug/l #	96
23) Vinyl Acetate	6.070	43	147872	53.549	ug/l #	90
24) 1,1-Dichloroethane	6.027	63	27600	10.188	ug/l	98
25) 2-Butanone	6.990	43	25862	52.600	ug/l #	90
26) 2,2-Dichloropropane	6.990	77	26336	9.623	ug/l	96
27) cis-1,2-Dichloroethene	7.003	96	17614	9.791	ug/l	89
28) Bromochloromethane	7.344	49	10268	9.898	ug/l #	80
29) Tetrahydrofuran	7.356	42	15504	54.246	ug/l #	78
30) Chloroform	7.515	83	29250	9.946	ug/l	98
31) Cyclohexane	7.789	56	28037	10.582	ug/l	93
32) 1,1,1-Trichloroethane	7.710	97	27008	9.566	ug/l	95
36) 1,1-Dichloropropene	7.923	75	22371	9.788	ug/l	96
37) Ethyl Acetate	7.082	43	11155	10.904	ug/l #	94
38) Carbon Tetrachloride	7.911	117	24985	9.558	ug/l	97
39) Methylcyclohexane	9.191	83	28820	9.751	ug/l #	85
40) Benzene	8.167	78	62534	9.976	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	7330m	9.479	ug/l	
42) 1,2-Dichloroethane	8.246	62	20044	10.394	ug/l	92
43) Isopropyl Acetate	8.277	43	22096	10.629	ug/l #	90
44) Trichloroethene	8.947	130	17345	9.673	ug/l	97
45) 1,2-Dichloropropane	9.222	63	15231	10.276	ug/l	96
46) Dibromomethane	9.307	93	9798	10.614	ug/l	92
47) Bromodichloromethane	9.502	83	22277	9.921	ug/l	99
48) Methyl methacrylate	9.295	41	9421	10.279	ug/l #	86
49) 1,4-Dioxane	9.301	88	2116	211.343	ug/l #	80
51) 4-Methyl-2-Pentanone	10.075	43	54717	53.109	ug/l	92
52) Toluene	10.252	92	39157	9.692	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	23656	10.073	ug/l	93
54) cis-1,3-Dichloropropene	9.935	75	26567	10.131	ug/l #	86
55) 1,1,2-Trichloroethane	10.648	97	12672	10.215	ug/l	97
56) Ethyl methacrylate	10.514	69	16666	10.103	ug/l #	83
57) 1,3-Dichloropropane	10.795	76	21768	10.320	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	43691	50.659	ug/l	95
59) 2-Hexanone	10.837	43	38593	51.883	ug/l	92
60) Dibromochloromethane	10.990	129	15431	9.888	ug/l	98
61) 1,2-Dibromoethane	11.093	107	12416	10.141	ug/l	99
64) Tetrachloroethene	10.727	164	15214	9.795	ug/l	93
65) Chlorobenzene	11.520	112	41847	9.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	16156	9.909	ug/l	98
67) Ethyl Benzene	11.599	91	78716	9.802	ug/l	99
68) m/p-Xylenes	11.703	106	59140	19.433	ug/l	99
69) o-Xylene	12.032	106	28889	9.977	ug/l	94
70) Styrene	12.050	104	45834	9.667	ug/l	98
71) Bromoform	12.209	173	8955	9.949	ug/l #	95
73) Isopropylbenzene	12.331	105	76564	9.836	ug/l	99
74) N-amyl acetate	12.148	43	18371	10.557	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	13884	10.452	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	10784m	9.290	ug/l	
77) Bromobenzene	12.611	156	16607	9.914	ug/l	99
78) n-propylbenzene	12.678	91	92493	9.894	ug/l	100
79) 2-Chlorotoluene	12.764	91	50770	9.840	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	63165	9.799	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	4920	10.051	ug/l	88
82) 4-Chlorotoluene	12.861	91	53092	10.013	ug/l	100
83) tert-Butylbenzene	13.081	119	54685	9.699	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	60923	9.777	ug/l	100
85) sec-Butylbenzene	13.258	105	81089	9.773	ug/l	98
86) p-Isopropyltoluene	13.373	119	67308	9.835	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	32326	9.919	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	32530	10.062	ug/l	96
89) n-Butylbenzene	13.703	91	62967	9.660	ug/l	99
90) Hexachloroethane	13.965	117	12673	9.699	ug/l	80
91) 1,2-Dichlorobenzene	13.745	146	28635	9.968	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2177	9.627	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	16422	9.488	ug/l	99
94) Hexachlorobutadiene	15.117	225	9577	9.525	ug/l	99
95) Naphthalene	15.239	128	36280	9.659	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	14596	9.766	ug/l	96

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

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