

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012509.D
 Acq On : 07 Feb 2023 09:51
 Operator : KP/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 :Krupa Patel 02/08/2023
 Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 21:46:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 07 21:44:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	129162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	196642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	177705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	8764	5.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.680%#		
35) Dibromofluoromethane	7.716	113	7072	4.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.880%#		
50) Toluene-d8	10.179	98	29194	4.898	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.800%#		
62) 4-Bromofluorobenzene	12.483	95	12271	5.902	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.800%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	6284	3.607	ug/l	89
3) Chloromethane	2.113	50	5616	5.581	ug/l	93
4) Vinyl Chloride	2.259	62	7052	5.625	ug/l	91
5) Bromomethane	2.656	94	6742	4.755	ug/l	100
6) Chloroethane	2.796	64	4782	5.480	ug/l	97
7) Trichlorofluoromethane	3.131	101	14804	5.745	ug/l	97
8) Diethyl Ether	3.534	74	3968	5.193	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.912	101	7069	5.432	ug/l	98
10) Methyl Iodide	4.101	142	7242	4.293	ug/l	98
11) Tert butyl alcohol	4.948	59	6327	31.996	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	6970	5.421	ug/l	90
13) Acrolein	3.735	56	5037	26.087	ug/l	91
14) Allyl chloride	4.485	41	8115	5.176	ug/l	97
15) Acrylonitrile	5.161	53	8800	24.961	ug/l	100
16) Acetone	3.948	43	8538	21.598	ug/l #	86
17) Carbon Disulfide	4.198	76	18809	5.640	ug/l #	95
18) Methyl Acetate	4.479	43	5708	6.007	ug/l #	75
19) Methyl tert-butyl Ether	5.222	73	18792	4.994	ug/l	95
20) Methylene Chloride	4.722	84	12399	4.564	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	7511	5.356	ug/l #	81
22) Diisopropyl ether	6.119	45	15451	4.847	ug/l	96
23) Vinyl Acetate	6.058	43	42526	22.128	ug/l	100
24) 1,1-Dichloroethane	6.021	63	12021	5.275	ug/l	98
25) 2-Butanone	6.996	43	10317	23.522	ug/l	95
26) 2,2-Dichloropropane	6.978	77	13685	5.466	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	8579	5.272	ug/l	99
28) Bromochloromethane	7.332	49	3213	3.879	ug/l #	98
29) Tetrahydrofuran	7.350	42	5733	24.178	ug/l	97
30) Chloroform	7.502	83	15094	5.494	ug/l	97
31) Cyclohexane	7.783	56	11163	5.878	ug/l #	76
32) 1,1,1-Trichloroethane	7.704	97	14386	5.396	ug/l	99
36) 1,1-Dichloropropene	7.917	75	10329	5.329	ug/l	99
37) Ethyl Acetate	7.076	43	4446	5.084	ug/l #	92
38) Carbon Tetrachloride	7.899	117	14244	5.475	ug/l	99
39) Methylcyclohexane	9.185	83	12265	5.259	ug/l	94
40) Benzene	8.167	78	29587	5.168	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	2145m	4.478	ug/l	
42) 1,2-Dichloroethane	8.240	62	9663	5.208	ug/l	100
43) Isopropyl Acetate	8.271	43	7675	4.733	ug/l #	86
44) Trichloroethene	8.941	130	9407	5.398	ug/l	99
45) 1,2-Dichloropropane	9.222	63	6385	5.144	ug/l	98
46) Dibromomethane	9.307	93	4322	5.259	ug/l	92
47) Bromodichloromethane	9.502	83	11028	5.175	ug/l	90
48) Methyl methacrylate	9.295	41	3672	4.954	ug/l	92
49) 1,4-Dioxane	9.301	88	1047	92.279	ug/l #	82
51) 4-Methyl-2-Pentanone	10.075	43	19652	22.463	ug/l	100
52) Toluene	10.246	92	19991	5.150	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	10501	4.890	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	11749	5.056	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	6209	5.170	ug/l	93
56) Ethyl methacrylate	10.514	69	6705	4.444	ug/l	98
57) 1,3-Dichloropropane	10.795	76	9821	5.067	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	12725	18.763	ug/l	96
59) 2-Hexanone	10.831	43	13835	20.926	ug/l	98
60) Dibromochloromethane	10.990	129	8156	5.095	ug/l	98
61) 1,2-Dibromoethane	11.087	107	5624	4.998	ug/l	99
64) Tetrachloroethene	10.721	164	9465	5.102	ug/l	97
65) Chlorobenzene	11.520	112	23186	5.501	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.593	131	8859	5.364	ug/l	97
67) Ethyl Benzene	11.593	91	37917	5.124	ug/l	97
68) m/p-Xylenes	11.703	106	30361	10.279	ug/l	97
69) o-Xylene	12.032	106	14317	5.090	ug/l	98
70) Styrene	12.044	104	23710	4.970	ug/l	97
71) Bromoform	12.209	173	5274	5.052	ug/l #	93
73) Isopropylbenzene	12.331	105	38370	5.074	ug/l	100
74) N-amyl acetate	12.142	43	6094	4.452	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	6395	5.230	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	5673m	5.419	ug/l	
77) Bromobenzene	12.611	156	9802	5.348	ug/l	93
78) n-propylbenzene	12.672	91	44117	5.069	ug/l	99
79) 2-Chlorotoluene	12.758	91	25229	5.106	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	32824	5.042	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	2226	4.807	ug/l	93
82) 4-Chlorotoluene	12.855	91	26457	5.105	ug/l	98
83) tert-Butylbenzene	13.075	119	29633	5.191	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	31943	4.987	ug/l	99
85) sec-Butylbenzene	13.258	105	41915	5.133	ug/l	99
86) p-Isopropyltoluene	13.373	119	35517	5.013	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	19209	5.267	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	20087	5.499	ug/l	96
89) n-Butylbenzene	13.696	91	29827	4.926	ug/l	98
90) Hexachloroethane	13.959	117	7137	5.488	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	17714	5.400	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1239	5.092	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	9849	4.845	ug/l	98
94) Hexachlorobutadiene	15.117	225	7039	5.574	ug/l	96
95) Naphthalene	15.239	128	17045	4.368	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	8777	4.988	ug/l	96

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

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