

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010623\
 Data File : VY012085.D
 Acq On : 06 Jan 2023 12:07
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/09/2023
 Supervised By :Mahesh Dadoda 01/09/2023

Quant Time: Jan 07 01:18:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:17:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	168741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	259417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	237127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	21052	11.069	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	22.140%#		
35) Dibromofluoromethane	7.722	113	18010	10.615	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.240%#		
50) Toluene-d8	10.179	98	73045	10.960	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	21.920%#		
62) 4-Bromofluorobenzene	12.483	95	25370	10.869	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	21.740%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	17345	9.812	ug/l	99
3) Chloromethane	2.113	50	16215	10.638	ug/l	93
4) Vinyl Chloride	2.253	62	18629	11.383	ug/l	92
5) Bromomethane	2.650	94	14772	10.550	ug/l	95
6) Chloroethane	2.796	64	12151	11.152	ug/l	94
7) Trichlorofluoromethane	3.125	101	36596	11.185	ug/l	96
8) Diethyl Ether	3.534	74	10880	10.813	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.906	101	18117	10.784	ug/l	94
10) Methyl Iodide	4.095	142	24312	10.586	ug/l	95
11) Tert butyl alcohol	4.948	59	18696	56.334	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	17699	10.829	ug/l	89
13) Acrolein	3.729	56	7998	53.842	ug/l	93
14) Allyl chloride	4.479	41	23655	10.723	ug/l	90
15) Acrylonitrile	5.162	53	25717	54.203	ug/l	98
16) Acetone	3.948	43	24856	54.738	ug/l	99
17) Carbon Disulfide	4.192	76	56618	11.681	ug/l	98
18) Methyl Acetate	4.485	43	13696	10.410	ug/l	93
19) Methyl tert-butyl Ether	5.229	73	51656	10.533	ug/l	97
20) Methylene Chloride	4.716	84	29104	10.781	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	20134	11.064	ug/l	96
22) Diisopropyl ether	6.125	45	48486	10.543	ug/l #	93
23) Vinyl Acetate	6.058	43	149470	53.582	ug/l	96
24) 1,1-Dichloroethane	6.021	63	32880	10.833	ug/l	100
25) 2-Butanone	6.984	43	32893	55.000	ug/l	92
26) 2,2-Dichloropropane	6.978	77	36034	10.960	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	22370	10.719	ug/l	98
28) Bromochloromethane	7.332	49	8244	10.681	ug/l	85
29) Tetrahydrofuran	7.344	42	18724	53.110	ug/l #	86
30) Chloroform	7.509	83	37500	10.804	ug/l	98
31) Cyclohexane	7.789	56	31273	10.344	ug/l #	83
32) 1,1,1-Trichloroethane	7.704	97	35849	10.615	ug/l	99
36) 1,1-Dichloropropene	7.917	75	27653	10.725	ug/l	98
37) Ethyl Acetate	7.070	43	15828	9.768	ug/l #	95
38) Carbon Tetrachloride	7.899	117	35462	10.816	ug/l	98
39) Methylcyclohexane	9.185	83	33351	10.658	ug/l	96
40) Benzene	8.161	78	81291	10.823	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	8074m	11.673	ug/l	
42) 1,2-Dichloroethane	8.234	62	25893	10.699	ug/l	99
43) Isopropyl Acetate	8.271	43	24151	10.240	ug/l	95
44) Trichloroethene	8.941	130	23265	10.523	ug/l	98
45) 1,2-Dichloropropane	9.216	63	18233	10.866	ug/l	97
46) Dibromomethane	9.307	93	11413	10.655	ug/l	96
47) Bromodichloromethane	9.496	83	28674	10.503	ug/l	97
48) Methyl methacrylate	9.295	41	11223	10.525	ug/l	94
49) 1,4-Dioxane	9.295	88	3117	208.665	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	66089	52.201	ug/l	97
52) Toluene	10.246	92	53655	10.763	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	29456	10.453	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	31907	10.504	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	16478	10.608	ug/l	96
56) Ethyl methacrylate	10.508	69	20488	10.067	ug/l	96
57) 1,3-Dichloropropane	10.789	76	27139	10.576	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	38331	51.719	ug/l	92
59) 2-Hexanone	10.831	43	44852	50.376	ug/l	94
60) Dibromochloromethane	10.984	129	21496	10.561	ug/l	98
61) 1,2-Dibromoethane	11.087	107	15638	10.662	ug/l	98
64) Tetrachloroethene	10.721	164	25078	10.865	ug/l	97
65) Chlorobenzene	11.514	112	56315	10.423	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.587	131	22228	10.535	ug/l	97
67) Ethyl Benzene	11.593	91	99698	10.336	ug/l	97
68) m/p-Xylenes	11.703	106	80739	21.291	ug/l	97
69) o-Xylene	12.032	106	37842	10.476	ug/l	96
70) Styrene	12.044	104	63742	10.400	ug/l	100
71) Bromoform	12.209	173	14302	10.566	ug/l #	99
73) Isopropylbenzene	12.331	105	101526	10.198	ug/l	100
74) N-amyl acetate	12.142	43	20439	9.710	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	18073	10.634	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	14881m	9.015	ug/l	
77) Bromobenzene	12.611	156	24869	10.415	ug/l	93
78) n-propylbenzene	12.672	91	120001	10.304	ug/l	98
79) 2-Chlorotoluene	12.758	91	68148	10.297	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	89081	10.410	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	6755	10.312	ug/l	98
82) 4-Chlorotoluene	12.855	91	72404	10.392	ug/l	99
83) tert-Butylbenzene	13.075	119	75077	10.083	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	87603	10.326	ug/l	99
85) sec-Butylbenzene	13.252	105	110197	10.234	ug/l	98
86) p-Isopropyltoluene	13.367	119	95875	10.292	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	49051	10.328	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	49928	10.498	ug/l	99
89) n-Butylbenzene	13.697	91	81619	10.073	ug/l	99
90) Hexachloroethane	13.959	117	17664	10.295	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	44169	10.369	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3728	10.911	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	26739	10.101	ug/l	98
94) Hexachlorobutadiene	15.111	225	16852	10.479	ug/l	99
95) Naphthalene	15.233	128	51356	9.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	23149	10.069	ug/l	98

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

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