

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032423\
 Data File : VY013073.D
 Acq On : 24 Mar 2023 12:58
 Operator : KP/MD
 Sample : VY0324SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/27/2023
 Supervised By :Mahesh Dadoda 03/27/2023

Quant Time: Mar 25 03:31:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	105886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	164263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	149278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	55556	52.845	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.680%			
35) Dibromofluoromethane	7.716	113	56578	57.073	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.140%			
50) Toluene-d8	10.179	98	178481	49.249	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.500%			
62) 4-Bromofluorobenzene	12.483	95	70228	57.412	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18833	18.045	ug/l	96
3) Chloromethane	2.113	50	20891	16.744	ug/l	97
4) Vinyl Chloride	2.253	62	20138	17.601	ug/l	100
5) Bromomethane	2.637	94	14107	20.292	ug/l	96
6) Chloroethane	2.790	64	13962	20.376	ug/l	91
7) Trichlorofluoromethane	3.125	101	34319	18.060	ug/l	98
8) Diethyl Ether	3.527	74	12506	18.780	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	21171	18.518	ug/l	97
10) Methyl Iodide	4.088	142	24778	16.633	ug/l	96
11) Tert butyl alcohol	4.954	59	17153	132.391	ug/l	95
12) 1,1-Dichloroethene	3.875	96	18385	16.861	ug/l	91
13) Acrolein	3.729	56	10096	54.813	ug/l	98
14) Allyl chloride	4.478	41	40716	20.215	ug/l	99
15) Acrylonitrile	5.161	53	36034	102.698	ug/l	100
16) Acetone	3.948	43	42946	104.074	ug/l	95
17) Carbon Disulfide	4.198	76	57662	15.536	ug/l	98
18) Methyl Acetate	4.472	43	26859	21.857	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	59341	21.070	ug/l	99
20) Methylene Chloride	4.710	84	37391	27.249	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	23352	19.708	ug/l	96
22) Diisopropyl ether	6.112	45	78822	21.546	ug/l	95
23) Vinyl Acetate	6.057	43	232836	102.433	ug/l	99
24) 1,1-Dichloroethane	6.015	63	43389	20.814	ug/l	99
25) 2-Butanone	6.984	43	54124	105.897	ug/l	94
26) 2,2-Dichloropropane	6.978	77	38390	20.735	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	26650	20.978	ug/l	98
28) Bromochloromethane	7.332	49	16504	21.664	ug/l	99
29) Tetrahydrofuran	7.344	42	31871	103.392	ug/l	99
30) Chloroform	7.502	83	44830	21.772	ug/l	98
31) Cyclohexane	7.789	56	35400	17.582	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	38369	20.605	ug/l	99
36) 1,1-Dichloropropene	7.917	75	31652	19.053	ug/l	99
37) Ethyl Acetate	7.076	43	21656	20.683	ug/l	98
38) Carbon Tetrachloride	7.899	117	34773	20.270	ug/l	95
39) Methylcyclohexane	9.179	83	35278	17.862	ug/l	96
40) Benzene	8.161	78	96892	20.619	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	9545m	16.920	ug/l	
42) 1,2-Dichloroethane	8.234	62	30467	21.565	ug/l	99
43) Isopropyl Acetate	8.270	43	37867	20.271	ug/l	98
44) Trichloroethene	8.935	130	26051	21.027	ug/l	99
45) 1,2-Dichloropropane	9.215	63	25502	21.473	ug/l	96
46) Dibromomethane	9.301	93	14355	21.217	ug/l	96
47) Bromodichloromethane	9.496	83	34309	21.519	ug/l	99
48) Methyl methacrylate	9.295	41	16931	19.670	ug/l	95
49) 1,4-Dioxane	9.301	88	3981	455.151	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	108825	107.395	ug/l	100
52) Toluene	10.240	92	59275	20.916	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	35813	21.415	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	40124	21.197	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	20780	22.054	ug/l	99
56) Ethyl methacrylate	10.508	69	26183	20.840	ug/l	99
57) 1,3-Dichloropropane	10.788	76	34312	21.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	70551	106.969	ug/l	98
59) 2-Hexanone	10.831	43	78788	106.982	ug/l	99
60) Dibromochloromethane	10.983	129	25713	22.418	ug/l	98
61) 1,2-Dibromoethane	11.087	107	19463	21.443	ug/l	99
64) Tetrachloroethene	10.721	164	22195	20.421	ug/l	97
65) Chlorobenzene	11.514	112	65442	20.888	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	25235	21.767	ug/l	100
67) Ethyl Benzene	11.593	91	112270	20.382	ug/l	99
68) m/p-Xylenes	11.703	106	87068	41.089	ug/l	100
69) o-Xylene	12.032	106	40803	20.632	ug/l	97
70) Styrene	12.044	104	70444	21.345	ug/l	100
71) Bromoform	12.209	173	16777	22.196	ug/l #	98
73) Isopropylbenzene	12.331	105	107639	19.130	ug/l	100
74) N-amyl acetate	12.142	43	33898	19.148	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	25669	20.295	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	15353m	16.194	ug/l	
77) Bromobenzene	12.611	156	27770	20.316	ug/l	98
78) n-propylbenzene	12.672	91	133901	19.303	ug/l	99
79) 2-Chlorotoluene	12.757	91	76387	19.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	92111	19.837	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	9133	19.960	ug/l	99
82) 4-Chlorotoluene	12.855	91	81243	20.357	ug/l	99
83) tert-Butylbenzene	13.074	119	77996	19.461	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	89827	19.783	ug/l	99
85) sec-Butylbenzene	13.251	105	117405	19.202	ug/l	99
86) p-Isopropyltoluene	13.367	119	97777	19.567	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	54231	20.571	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	54526	20.266	ug/l	99
89) n-Butylbenzene	13.696	91	90670	18.954	ug/l	100
90) Hexachloroethane	13.958	117	20639	19.830	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	49746	20.875	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4204	20.566	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	28370	19.335	ug/l	98
94) Hexachlorobutadiene	15.111	225	17183	19.201	ug/l	98
95) Naphthalene	15.233	128	54079	18.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	24921	19.097	ug/l	99

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

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