

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015798.D
 Acq On : 03 Oct 2023 11:56
 Operator : SY/MD
 Sample : VY1003SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1003SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/04/2023
 Supervised By :Semsettin Yesilyurt 10/04/2023

Quant Time: Oct 04 01:05:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	168620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	277916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	257882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	79536	42.870	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.740%		
35) Dibromofluoromethane	7.716	113	73643	44.272	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.540%		
50) Toluene-d8	10.179	98	251425	44.578	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.160%		
62) 4-Bromofluorobenzene	12.477	95	97094	43.867	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23598	21.231	ug/l	96
3) Chloromethane	2.113	50	28893	20.605	ug/l	95
4) Vinyl Chloride	2.247	62	33135	20.667	ug/l	98
5) Bromomethane	2.637	94	26208	18.985	ug/l	98
6) Chloroethane	2.784	64	25815	21.724	ug/l	99
7) Trichlorofluoromethane	3.119	101	59374	22.082	ug/l	96
8) Diethyl Ether	3.527	74	23773	20.733	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.899	101	38911	23.113	ug/l	94
10) Methyl Iodide	4.082	142	32587	18.291	ug/l	97
11) Tert butyl alcohol	4.972	59	37203	54.567	ug/l #	97
12) 1,1-Dichloroethene	3.869	96	31823	21.452	ug/l	92
13) Acrolein	3.735	56	17627	62.038	ug/l	98
14) Allyl chloride	4.472	41	56022	20.655	ug/l	94
15) Acrylonitrile	5.161	53	86464	102.795	ug/l	97
16) Acetone	3.954	43	99747	100.463	ug/l #	89
17) Carbon Disulfide	4.192	76	55665	19.316	ug/l	99
18) Methyl Acetate	4.485	43	72226	21.681	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	130512	21.601	ug/l	100
20) Methylene Chloride	4.716	84	58533	24.446	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	36111	21.297	ug/l	96
22) Diisopropyl ether	6.118	45	142052	21.762	ug/l	94
23) Vinyl Acetate	6.058	43	412408	102.361	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	77055	21.658	ug/l	96
25) 2-Butanone	6.990	43	134213	95.635	ug/l	96
26) 2,2-Dichloropropane	6.978	77	66360	20.407	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	48652	21.613	ug/l	94
28) Bromochloromethane	7.338	49	23418	24.261	ug/l	97
29) Tetrahydrofuran	7.350	42	79258	99.921	ug/l	93
30) Chloroform	7.502	83	83674	21.961	ug/l	94
31) Cyclohexane	7.783	56	52999	20.621	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	71041	22.586	ug/l	98
36) 1,1-Dichloropropene	7.917	75	53776	21.865	ug/l	99
37) Ethyl Acetate	7.076	43	50578	20.617	ug/l	97
38) Carbon Tetrachloride	7.899	117	60304	22.588	ug/l	95
39) Methylcyclohexane	9.185	83	59437	21.849	ug/l	90
40) Benzene	8.161	78	163063	21.741	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	28268m	21.400	ug/l	
42) 1,2-Dichloroethane	8.234	62	56440	21.972	ug/l	96
43) Isopropyl Acetate	8.271	43	87590	20.901	ug/l	98
44) Trichloroethene	8.935	130	46614	22.252	ug/l	98
45) 1,2-Dichloropropane	9.215	63	45716	21.857	ug/l	94
46) Dibromomethane	9.301	93	29304	21.902	ug/l	95
47) Bromodichloromethane	9.496	83	67667	22.690	ug/l	99
48) Methyl methacrylate	9.289	41	38860	21.126	ug/l	91
49) 1,4-Dioxane	9.301	88	11736	444.000	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	275642	106.122	ug/l	93
52) Toluene	10.240	92	106663	22.059	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	70089	21.916	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	74631	21.679	ug/l	89
55) 1,1,2-Trichloroethane	10.642	97	44555	22.724	ug/l	98
56) Ethyl methacrylate	10.508	69	63012	21.807	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	72971	22.192	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	61782	67.313	ug/l	96
59) 2-Hexanone	10.831	43	209527	105.144	ug/l	91
60) Dibromochloromethane	10.983	129	51776	22.621	ug/l	98
61) 1,2-Dibromoethane	11.087	107	41549	21.661	ug/l	100
64) Tetrachloroethene	10.721	164	50997	23.049	ug/l	96
65) Chlorobenzene	11.514	112	122027	21.678	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	49275	22.536	ug/l	99
67) Ethyl Benzene	11.593	91	213596	21.709	ug/l	100
68) m/p-Xylenes	11.703	106	164255	43.923	ug/l	96
69) o-Xylene	12.026	106	79636	21.717	ug/l	99
70) Styrene	12.044	104	140297	22.352	ug/l	96
71) Bromoform	12.209	173	34750	21.931	ug/l #	100
73) Isopropylbenzene	12.331	105	217695	22.123	ug/l	100
74) N-amyl acetate	12.142	43	77327	20.908	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	58543	21.377	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	43980m	21.016	ug/l	
77) Bromobenzene	12.605	156	51700	21.404	ug/l	93
78) n-propylbenzene	12.672	91	267721	22.395	ug/l	100
79) 2-Chlorotoluene	12.758	91	151734	22.267	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	183863	22.319	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	19204	20.665	ug/l	97
82) 4-Chlorotoluene	12.855	91	156131	21.948	ug/l	100
83) tert-Butylbenzene	13.075	119	164075	22.741	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	182343	22.122	ug/l	99
85) sec-Butylbenzene	13.251	105	247463	22.918	ug/l	99
86) p-Isopropyltoluene	13.367	119	205644	22.800	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	105385	21.992	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	106574	22.237	ug/l	98
89) n-Butylbenzene	13.696	91	196504	23.008	ug/l	98
90) Hexachloroethane	13.959	117	39994	22.975	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	99416	22.474	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11416	20.989	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	62184	22.330	ug/l	98
94) Hexachlorobutadiene	15.111	225	33995	23.837	ug/l	99
95) Naphthalene	15.233	128	157703	21.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	58559	22.782	ug/l	99

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

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