

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100223\
 Data File : VY015776.D
 Acq On : 02 Oct 2023 14:35
 Operator : SY/MD
 Sample : VY1002SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1002SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/03/2023
 Supervised By :Semsettin Yesilyurt 10/03/2023

Quant Time: Oct 03 01:21:23 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	7.783	168	193645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	318690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	292916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	92591	43.457	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.920%		
35) Dibromofluoromethane	7.716	113	87677	45.965	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.940%		
50) Toluene-d8	10.179	98	303276	46.892	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.780%		
62) 4-Bromofluorobenzene	12.477	95	114970	45.298	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23697	18.565	ug/l	96
3) Chloromethane	2.113	50	28046	17.416	ug/l	100
4) Vinyl Chloride	2.247	62	33768	18.340	ug/l	95
5) Bromomethane	2.631	94	29366	18.564	ug/l	98
6) Chloroethane	2.784	64	25986	19.042	ug/l	97
7) Trichlorofluoromethane	3.119	101	60330	19.538	ug/l	97
8) Diethyl Ether	3.521	74	25067	19.037	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	38662	19.998	ug/l	95
10) Methyl Iodide	4.082	142	35902	17.659	ug/l	97
11) Tert butyl alcohol	4.942	59	69051	140.282	ug/l #	91
12) 1,1-Dichloroethene	3.863	96	32431	19.037	ug/l	85
13) Acrolein	3.729	56	9543	29.246	ug/l	98
14) Allyl chloride	4.466	41	57936	18.600	ug/l	94
15) Acrylonitrile	5.155	53	85723	88.743	ug/l	97
16) Acetone	3.942	43	100916	88.506	ug/l	92
17) Carbon Disulfide	4.192	76	56295	17.010	ug/l	98
18) Methyl Acetate	4.472	43	70006	18.299	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	132631	19.115	ug/l	98
20) Methylene Chloride	4.704	84	91898	35.388	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	37130	19.068	ug/l	97
22) Diisopropyl ether	6.112	45	144639	19.295	ug/l	93
23) Vinyl Acetate	6.051	43	412434	89.139	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	79221	19.389	ug/l	98
25) 2-Butanone	6.984	43	133414	82.780	ug/l	97
26) 2,2-Dichloropropane	6.978	77	74501	19.950	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	50359	19.480	ug/l	97
28) Bromochloromethane	7.326	49	25113	22.654	ug/l	97
29) Tetrahydrofuran	7.344	42	76484	83.963	ug/l	92
30) Chloroform	7.502	83	86385	19.742	ug/l	95
31) Cyclohexane	7.777	56	54673	18.523	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	71313	19.743	ug/l	98
36) 1,1-Dichloropropene	7.917	75	55414	19.648	ug/l	99
37) Ethyl Acetate	7.070	43	49346	17.541	ug/l	96
38) Carbon Tetrachloride	7.899	117	62616	20.453	ug/l	97
39) Methylcyclohexane	9.179	83	60864	19.511	ug/l	96
40) Benzene	8.155	78	169785	19.741	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	27424m	18.105	ug/l	
42) 1,2-Dichloroethane	8.234	62	58078	19.717	ug/l	94
43) Isopropyl Acetate	8.271	43	87767	18.264	ug/l	97
44) Trichloroethene	8.935	130	48589	20.227	ug/l	95
45) 1,2-Dichloropropane	9.216	63	47512	19.809	ug/l	100
46) Dibromomethane	9.301	93	29709	19.364	ug/l	96
47) Bromodichloromethane	9.496	83	69690	20.378	ug/l	99
48) Methyl methacrylate	9.289	41	38094	18.060	ug/l	90
49) 1,4-Dioxane	9.295	88	10598	349.649	ug/l #	42
51) 4-Methyl-2-Pentanone	10.069	43	262487	88.128	ug/l	94
52) Toluene	10.240	92	109585	19.763	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	71851	19.592	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	78501	19.886	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	45253	20.127	ug/l	95
56) Ethyl methacrylate	10.508	69	62293	18.800	ug/l	89
57) 1,3-Dichloropropane	10.788	76	73786	19.569	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	64937	61.698	ug/l	95
59) 2-Hexanone	10.831	43	198430	86.835	ug/l	92
60) Dibromochloromethane	10.983	129	53222	20.278	ug/l	98
61) 1,2-Dibromoethane	11.087	107	41910	19.053	ug/l	99
64) Tetrachloroethene	10.715	164	51830	20.624	ug/l	98
65) Chlorobenzene	11.514	112	127571	19.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	50394	20.291	ug/l	98
67) Ethyl Benzene	11.593	91	220810	19.758	ug/l	97
68) m/p-Xylenes	11.697	106	169773	39.968	ug/l	96
69) o-Xylene	12.026	106	83150	19.963	ug/l	97
70) Styrene	12.044	104	144895	20.323	ug/l	97
71) Bromoform	12.203	173	35430	19.686	ug/l #	100
73) Isopropylbenzene	12.331	105	225431	20.421	ug/l	100
74) N-amyl acetate	12.142	43	77204	18.607	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	57274	18.642	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	43639m	18.588	ug/l	
77) Bromobenzene	12.605	156	55342	20.423	ug/l	98
78) n-propylbenzene	12.672	91	273162	20.368	ug/l	100
79) 2-Chlorotoluene	12.758	91	155005	20.276	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	187961	20.338	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	19835	19.026	ug/l	93
82) 4-Chlorotoluene	12.855	91	163275	20.459	ug/l	100
83) tert-Butylbenzene	13.075	119	168328	20.796	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	188840	20.422	ug/l	98
85) sec-Butylbenzene	13.251	105	250147	20.650	ug/l	99
86) p-Isopropyltoluene	13.367	119	211915	20.943	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	110885	20.626	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	110851	20.617	ug/l	98
89) n-Butylbenzene	13.696	91	198931	20.762	ug/l	97
90) Hexachloroethane	13.959	117	40153	20.561	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	103277	20.811	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11211	18.373	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	64916	20.779	ug/l	99
94) Hexachlorobutadiene	15.111	225	34759	21.726	ug/l	98
95) Naphthalene	15.233	128	156472	19.207	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	58909	20.429	ug/l	99

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

