

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100923\
 Data File : VY015884.D
 Acq On : 09 Oct 2023 16:56
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY100923

Manual Integrations
 APPROVED

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

Quant Time: Oct 10 07:08:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	205888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	337834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	298805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	146894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	92472	49.915	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.840%		
35) Dibromofluoromethane	7.722	113	98263	52.147	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.300%		
50) Toluene-d8	10.185	98	329901	53.122	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	106.240%		
62) 4-Bromofluorobenzene	12.489	95	126053	49.972	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.940%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	45928	55.771	ug/l	97
3) Chloromethane	2.119	50	49061	58.243	ug/l	99
4) Vinyl Chloride	2.253	62	61935	57.650	ug/l	98
5) Bromomethane	2.650	94	49684	56.400	ug/l	100
6) Chloroethane	2.796	64	47568	56.387	ug/l	99
7) Trichlorofluoromethane	3.125	101	126294	55.402	ug/l	99
8) Diethyl Ether	3.534	74	52717	54.662	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.906	101	85529	55.284	ug/l	94
10) Methyl Iodide	4.095	142	84640	54.228	ug/l	96
11) Tert butyl alcohol	4.960	59	67925	153.932	ug/l #	84
12) 1,1-Dichloroethene	3.875	96	68989	57.974	ug/l	91
13) Acrolein	3.735	56	26161	231.046	ug/l	96
14) Allyl chloride	4.485	41	123220	56.161	ug/l	91
15) Acrylonitrile	5.168	53	160145	241.482	ug/l	97
16) Acetone	3.948	43	167192	201.887	ug/l	90
17) Carbon Disulfide	4.198	76	100264	56.019	ug/l	99
18) Methyl Acetate	4.479	43	125987	50.164	ug/l	92
19) Methyl tert-butyl Ether	5.229	73	281095	52.127	ug/l	98
20) Methylene Chloride	4.716	84	97514	50.800	ug/l	90
21) trans-1,2-Dichloroethene	5.222	96	79904	57.866	ug/l	91
22) Diisopropyl ether	6.125	45	315778	53.809	ug/l #	89
23) Vinyl Acetate	6.064	43	838892	259.960	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	175287	54.224	ug/l	98
25) 2-Butanone	6.990	43	226820	223.193	ug/l	94
26) 2,2-Dichloropropane	6.984	77	160880	53.514	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	112730	55.313	ug/l	93
28) Bromochloromethane	7.338	49	92995	49.914	ug/l	91
29) Tetrahydrofuran	7.350	42	130259	234.303	ug/l	91
30) Chloroform	7.509	83	193074	53.547	ug/l	98
31) Cyclohexane	7.789	56	103295	52.061	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	161302	54.778	ug/l	97
36) 1,1-Dichloropropene	7.923	75	118504	56.783	ug/l	99
37) Ethyl Acetate	7.082	43	87315	48.715	ug/l	95
38) Carbon Tetrachloride	7.905	117	138372	55.209	ug/l	99
39) Methylcyclohexane	9.191	83	121855	57.483	ug/l	91
40) Benzene	8.167	78	365231	55.688	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	57025m	51.151	ug/l	
42) 1,2-Dichloroethane	8.240	62	119091	53.268	ug/l	93
43) Isopropyl Acetate	8.277	43	166229	50.102	ug/l	94
44) Trichloroethene	8.947	130	106052	55.881	ug/l	97
45) 1,2-Dichloropropane	9.222	63	106323	53.897	ug/l	97
46) Dibromomethane	9.307	93	63069	53.724	ug/l	95
47) Bromodichloromethane	9.502	83	156122	53.472	ug/l	97
48) Methyl methacrylate	9.295	41	71716	48.946	ug/l	87
49) 1,4-Dioxane	9.301	88	19861	973.234	ug/l #	60
51) 4-Methyl-2-Pentanone	10.075	43	471564	237.565	ug/l	91
52) Toluene	10.246	92	241915	55.568	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	159612	54.076	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	174775	54.511	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	95177	50.917	ug/l	96
56) Ethyl methacrylate	10.514	69	131932	51.988	ug/l #	84
57) 1,3-Dichloropropane	10.795	76	157352	52.211	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	388886	251.414	ug/l	95
59) 2-Hexanone	10.837	43	344306	229.271	ug/l	88
60) Dibromochloromethane	10.990	129	117226	52.312	ug/l	100
61) 1,2-Dibromoethane	11.093	107	89701	52.541	ug/l	99
64) Tetrachloroethene	10.728	164	103082	52.862	ug/l	97
65) Chlorobenzene	11.520	112	284215	54.531	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	116092	54.496	ug/l	99
67) Ethyl Benzene	11.599	91	496363	55.512	ug/l	100
68) m/p-Xylenes	11.709	106	376669	111.795	ug/l	95
69) o-Xylene	12.038	106	186930	55.450	ug/l	98
70) Styrene	12.050	104	325702	55.375	ug/l	96
71) Bromoform	12.215	173	76395	51.498	ug/l #	99
73) Isopropylbenzene	12.337	105	514179	55.490	ug/l	100
74) N-amyl acetate	12.148	43	148572	50.878	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	119929	49.914	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	88317m	51.503	ug/l	
77) Bromobenzene	12.617	156	122782	54.039	ug/l	99
78) n-propylbenzene	12.678	91	621632	55.785	ug/l	99
79) 2-Chlorotoluene	12.764	91	352144	55.477	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	427187	55.935	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	40123	51.885	ug/l	91
82) 4-Chlorotoluene	12.861	91	366292	55.375	ug/l	99
83) tert-Butylbenzene	13.081	119	393214	55.169	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	427108	55.535	ug/l	98
85) sec-Butylbenzene	13.258	105	581793	55.660	ug/l	100
86) p-Isopropyltoluene	13.373	119	485979	56.202	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	246787	53.950	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	248653	53.978	ug/l	99
89) n-Butylbenzene	13.703	91	463014	56.584	ug/l	96
90) Hexachloroethane	13.965	117	96216	55.446	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	229210	53.906	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	19925	47.221	ug/l	84
93) 1,2,4-Trichlorobenzene	15.013	180	147976	54.301	ug/l	98
94) Hexachlorobutadiene	15.117	225	80097	54.889	ug/l	99
95) Naphthalene	15.239	128	329099	52.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	132312	54.582	ug/l	99

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

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