

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100923\
 Data File : VY015882.D
 Acq On : 09 Oct 2023 15:07
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 10 07:03:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 06:54:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	207648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	341205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	305217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	182758	97.815	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 195.620%#			
35) Dibromofluoromethane	7.716	113	186898	98.204	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.400%#			
50) Toluene-d8	10.179	98	622156	99.191	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 198.380%#			
62) 4-Bromofluorobenzene	12.483	95	242857	95.327	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 190.660%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	85792	103.295	ug/l	98
3) Chloromethane	2.113	50	93697	110.291	ug/l	98
4) Vinyl Chloride	2.253	62	118725	109.575	ug/l	98
5) Bromomethane	2.631	94	89273	100.482	ug/l	98
6) Chloroethane	2.784	64	92381	108.579	ug/l	98
7) Trichlorofluoromethane	3.119	101	242334	105.405	ug/l	98
8) Diethyl Ether	3.534	74	105206	108.163	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.899	101	161732	103.654	ug/l	95
10) Methyl Iodide	4.088	142	167014	103.924	ug/l	96
11) Tert butyl alcohol	4.960	59	179240	Below Cal	#	84
12) 1,1-Dichloroethene	3.875	96	132969	110.793	ug/l	91
13) Acrolein	3.729	56	59009	516.733	ug/l	100
14) Allyl chloride	4.479	41	242680	109.671	ug/l	91
15) Acrylonitrile	5.167	53	363212	543.043	ug/l	98
16) Acetone	3.948	43	366073	542.885	ug/l	91
17) Carbon Disulfide	4.192	76	194005	104.970	ug/l	100
18) Methyl Acetate	4.479	43	291067	114.912	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	585022	107.568	ug/l	100
20) Methylene Chloride	4.716	84	186207	106.589	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	151908	109.079	ug/l	95
22) Diisopropyl ether	6.125	45	622073	105.104	ug/l	# 89
23) Vinyl Acetate	6.064	43	1772359	544.573	ug/l	# 94
24) 1,1-Dichloroethane	6.015	63	339933	104.264	ug/l	98
25) 2-Butanone	6.984	43	526564	513.751	ug/l	94
26) 2,2-Dichloropropane	6.984	77	302529	99.778	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	217973	106.047	ug/l	93
28) Bromochloromethane	7.332	49	186584	99.298	ug/l	91
29) Tetrahydrofuran	7.350	42	316135	563.826	ug/l	92
30) Chloroform	7.508	83	376496	103.531	ug/l	98
31) Cyclohexane	7.789	56	196263	98.079	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	312380	105.184	ug/l	97
36) 1,1-Dichloropropene	7.917	75	226937	107.666	ug/l	99
37) Ethyl Acetate	7.076	43	198501	109.655	ug/l	# 94
38) Carbon Tetrachloride	7.905	117	266432	105.253	ug/l	99
39) Methylcyclohexane	9.185	83	233823	109.211	ug/l	94
40) Benzene	8.161	78	708113	106.901	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	139251m	123.642	ug/l	
42) 1,2-Dichloroethane	8.240	62	239422	106.033	ug/l	93
43) Isopropyl Acetate	8.271	43	368648	110.015	ug/l	95
44) Trichloroethene	8.941	130	201362	105.053	ug/l	100
45) 1,2-Dichloropropane	9.216	63	206377	103.582	ug/l	98
46) Dibromomethane	9.307	93	128038	107.988	ug/l	96
47) Bromodichloromethane	9.496	83	308590	104.649	ug/l	97
48) Methyl methacrylate	9.295	41	162985	110.138	ug/l	86
49) 1,4-Dioxane	9.301	88	48855	2370.354	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	1091938	544.663	ug/l	91
52) Toluene	10.246	92	465448	105.857	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	325688	109.251	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	347084	107.183	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	199169	105.496	ug/l	97
56) Ethyl methacrylate	10.508	69	290529	113.352	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	321584	105.651	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	851803	545.249	ug/l	95
59) 2-Hexanone	10.831	43	807976	532.710	ug/l	88
60) Dibromochloromethane	10.983	129	239544	105.840	ug/l	99
61) 1,2-Dibromoethane	11.087	107	186999	108.450	ug/l	99
64) Tetrachloroethene	10.721	164	203920	102.377	ug/l	96
65) Chlorobenzene	11.520	112	550922	103.482	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	227914	104.740	ug/l	99
67) Ethyl Benzene	11.593	91	957836	104.872	ug/l	99
68) m/p-Xylenes	11.703	106	728874	211.784	ug/l	95
69) o-Xylene	12.032	106	364214	105.770	ug/l	97
70) Styrene	12.044	104	639435	106.432	ug/l	96
71) Bromoform	12.209	173	165383	109.143	ug/l #	99
73) Isopropylbenzene	12.331	105	987064	104.250	ug/l	100
74) N-amyl acetate	12.142	43	331791	111.196	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	264643	107.794	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	195709m	115.122	ug/l	
77) Bromobenzene	12.611	156	241110	103.853	ug/l	97
78) n-propylbenzene	12.672	91	1169466	102.708	ug/l	99
79) 2-Chlorotoluene	12.758	91	668564	103.079	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	821492	105.270	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	89939	113.823	ug/l	91
82) 4-Chlorotoluene	12.855	91	700663	103.664	ug/l	100
83) tert-Butylbenzene	13.075	119	739476	101.537	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	819587	104.293	ug/l	98
85) sec-Butylbenzene	13.251	105	1091648	102.209	ug/l	100
86) p-Isopropyltoluene	13.367	119	908713	102.849	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	473648	101.334	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	472983	100.485	ug/l	99
89) n-Butylbenzene	13.696	91	850727	101.748	ug/l	96
90) Hexachloroethane	13.959	117	181567	102.398	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	442624	101.876	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	47407	109.954	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	285681	102.597	ug/l	99
94) Hexachlorobutadiene	15.111	225	148153	99.361	ug/l	98
95) Naphthalene	15.233	128	712845	110.662	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	255474	103.142	ug/l	98

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

