

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100523\
 Data File : VY015847.D
 Acq On : 05 Oct 2023 14:01
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2023
 Supervised By :Semsettin Yesilyurt 10/06/2023

Quant Time: Oct 06 05:19:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:15:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	210238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	352809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	323258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	208118	100.618	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 201.240%#			
35) Dibromofluoromethane	7.716	113	199596	99.251	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 198.500%#			
50) Toluene-d8	10.179	98	671556	102.854	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 205.700%#			
62) 4-Bromofluorobenzene	12.477	95	264612	99.149	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 198.300%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	95790	99.075	ug/l	98
3) Chloromethane	2.107	50	114683	106.735	ug/l	99
4) Vinyl Chloride	2.241	62	140108	103.531	ug/l	99
5) Bromomethane	2.644	94	82266	96.493	ug/l	98
6) Chloroethane	2.778	64	93187	96.405	ug/l	97
7) Trichlorofluoromethane	3.107	101	259727	98.921	ug/l	99
8) Diethyl Ether	3.521	74	118769	103.754	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	165543	96.730	ug/l	95
10) Methyl Iodide	4.082	142	177944	100.171	ug/l	96
11) Tert butyl alcohol	4.991	59	222453	491.427	ug/l #	83
12) 1,1-Dichloroethene	3.863	96	141027	103.041	ug/l	92
13) Acrolein	3.729	56	86744	543.594	ug/l	99
14) Allyl chloride	4.473	41	266746	103.377	ug/l	92
15) Acrylonitrile	5.161	53	439219	491.874	ug/l	98
16) Acetone	3.954	43	486749	454.220	ug/l	93
17) Carbon Disulfide	4.186	76	233932	97.754	ug/l	98
18) Methyl Acetate	4.479	43	364556	104.528	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	657439	101.628	ug/l	99
20) Methylene Chloride	4.710	84	203942	95.380	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	165558	105.014	ug/l	97
22) Diisopropyl ether	6.119	45	675403	100.802	ug/l	93
23) Vinyl Acetate	6.058	43	2058658	507.631	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	354911	99.750	ug/l	98
25) 2-Butanone	6.990	43	696964	472.821	ug/l	95
26) 2,2-Dichloropropane	6.972	77	318931	96.460	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	231977	101.791	ug/l	94
28) Bromochloromethane	7.332	49	199542	95.899	ug/l	93
29) Tetrahydrofuran	7.350	42	418749	509.116	ug/l	92
30) Chloroform	7.502	83	392703	98.664	ug/l	97
31) Cyclohexane	7.777	56	224788	96.415	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	323814	99.518	ug/l	98
36) 1,1-Dichloropropene	7.911	75	243813	101.623	ug/l	99
37) Ethyl Acetate	7.076	43	266072	99.100	ug/l #	95
38) Carbon Tetrachloride	7.893	117	278853	98.848	ug/l	98
39) Methylcyclohexane	9.179	83	266168	103.733	ug/l	94
40) Benzene	8.155	78	764077	101.492	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	134060	106.837	ug/l	95
42) 1,2-Dichloroethane	8.234	62	269691	99.493	ug/l	93
43) Isopropyl Acetate	8.271	43	463005	100.191	ug/l	96
44) Trichloroethene	8.935	130	219024	99.408	ug/l	100
45) 1,2-Dichloropropane	9.216	63	217232	97.554	ug/l	96
46) Dibromomethane	9.301	93	144214	101.300	ug/l	96
47) Bromodichloromethane	9.496	83	327751	99.183	ug/l	98
48) Methyl methacrylate	9.289	41	204236	101.191	ug/l	88
49) 1,4-Dioxane	9.313	88	65856	2065.113	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	1435410	496.523	ug/l	91
52) Toluene	10.240	92	500091	101.526	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	359354	103.640	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	375147	101.917	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	218083	97.510	ug/l	96
56) Ethyl methacrylate	10.508	69	338011	104.235	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	359014	100.407	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	975881	516.471	ug/l	95
59) 2-Hexanone	10.831	43	1108939	494.337	ug/l	89
60) Dibromochloromethane	10.984	129	260207	100.729	ug/l	99
61) 1,2-Dibromoethane	11.087	107	209962	100.455	ug/l	100
64) Tetrachloroethene	10.715	164	226666	99.758	ug/l	98
65) Chlorobenzene	11.514	112	584205	97.723	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	240429	97.816	ug/l	98
67) Ethyl Benzene	11.593	91	1024420	100.118	ug/l	98
68) m/p-Xylenes	11.703	106	779936	200.519	ug/l	95
69) o-Xylene	12.026	106	389947	100.792	ug/l	97
70) Styrene	12.044	104	684880	101.403	ug/l	96
71) Bromoform	12.209	173	185233	101.064	ug/l #	99
73) Isopropylbenzene	12.331	105	1029711	97.817	ug/l	100
74) N-amyl acetate	12.142	43	412118	101.312	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	305473	98.236	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	228711m	95.073	ug/l	
77) Bromobenzene	12.611	156	255640	98.165	ug/l	93
78) n-propylbenzene	12.672	91	1237251	98.124	ug/l	100
79) 2-Chlorotoluene	12.758	91	712884	98.178	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	861310	98.177	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	107772	103.706	ug/l	91
82) 4-Chlorotoluene	12.855	91	744855	98.010	ug/l	100
83) tert-Butylbenzene	13.075	119	769779	95.991	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	869096	98.609	ug/l	99
85) sec-Butylbenzene	13.251	105	1137719	96.702	ug/l	100
86) p-Isopropyltoluene	13.367	119	955775	97.553	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	504402	96.737	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	504690	95.733	ug/l	99
89) n-Butylbenzene	13.696	91	907407	97.331	ug/l	97
90) Hexachloroethane	13.959	117	188878	98.766	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	475001	96.731	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	61854	99.132	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	317237	99.257	ug/l	99
94) Hexachlorobutadiene	15.111	225	157350	94.484	ug/l	98
95) Naphthalene	15.233	128	865935	101.607	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	293667	98.065	ug/l	99

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

