

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101223\
 Data File : VY015943.D
 Acq On : 12 Oct 2023 19:07
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 13 12:55:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 09:06:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/13/2023
 Supervised By :Semsettin Yesilyurt 10/13/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	206818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	336473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	301749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	152057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	245660	104.077	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 208.160%#			
35) Dibromofluoromethane	7.722	113	221211	104.429	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 208.860%#			
50) Toluene-d8	10.185	98	844905	106.508	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 213.020%#			
62) 4-Bromofluorobenzene	12.483	95	291889	103.333	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.660%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	192185	111.056	ug/l	95
3) Chloromethane	2.113	50	279649	110.154	ug/l	99
4) Vinyl Chloride	2.253	62	239788	108.319	ug/l	98
5) Bromomethane	2.662	94	142901	114.124	ug/l	100
6) Chloroethane	2.808	64	140425	97.248	ug/l	96
7) Trichlorofluoromethane	3.131	101	406354	108.221	ug/l	99
8) Diethyl Ether	3.540	74	137982	98.323	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	224232	105.024	ug/l	96
10) Methyl Iodide	4.088	142	260523	106.114	ug/l	96
11) Tert butyl alcohol	4.936	59	140933	103.034	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	211494	105.152	ug/l	94
13) Acrolein	3.753	56	216939	486.639	ug/l	100
14) Allyl chloride	4.479	41	330702	101.750	ug/l	90
15) Acrylonitrile	5.198	53	608312	492.059	ug/l	97
16) Acetone	4.015	43	570762m	413.910	ug/l	
17) Carbon Disulfide	4.186	76	674134	109.658	ug/l	99
18) Methyl Acetate	4.509	43	456284	95.940	ug/l #	89
19) Methyl tert-butyl Ether	5.241	73	715594	106.132	ug/l	100
20) Methylene Chloride	4.722	84	254713	101.588	ug/l	90
21) trans-1,2-Dichloroethene	5.222	96	253440	107.802	ug/l	95
22) Diisopropyl ether	6.137	45	704004	104.311	ug/l	94
23) Vinyl Acetate	6.076	43	2242959	505.164	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	430386	107.178	ug/l	97
25) 2-Butanone	7.094	43	1101670m	533.953	ug/l	
26) 2,2-Dichloropropane	6.990	77	321245	96.340	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	284729	107.710	ug/l	90
28) Bromochloromethane	7.344	49	172284	96.141	ug/l	88
29) Tetrahydrofuran	7.380	42	696214	508.963	ug/l	93
30) Chloroform	7.515	83	438887	105.301	ug/l	97
31) Cyclohexane	7.789	56	380464	101.257	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	398818	107.588	ug/l	97
36) 1,1-Dichloropropene	7.923	75	345859	108.209	ug/l	99
37) Ethyl Acetate	7.094	43	712606m	142.094	ug/l	
38) Carbon Tetrachloride	7.905	117	363932	108.119	ug/l	98
39) Methylcyclohexane	9.185	83	448494	109.369	ug/l	93
40) Benzene	8.167	78	986445	106.668	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	140608	86.629	ug/l #	83
42) 1,2-Dichloroethane	8.246	62	304203	102.516	ug/l	93
43) Isopropyl Acetate	8.289	43	569976	107.777	ug/l #	98
44) Trichloroethene	8.947	130	321314	112.746	ug/l	96
45) 1,2-Dichloropropane	9.222	63	250462	106.138	ug/l	95
46) Dibromomethane	9.313	93	171648	103.484	ug/l	97
47) Bromodichloromethane	9.502	83	356659	106.483	ug/l	97
48) Methyl methacrylate	9.301	41	238106	101.746	ug/l #	79
49) 1,4-Dioxane	9.459	88	61691m	1308.087	ug/l	
51) 4-Methyl-2-Pentanone	10.081	43	1939449	496.720	ug/l	89
52) Toluene	10.252	92	626884	106.024	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	390149	103.886	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	425466	105.390	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	236101	99.976	ug/l	96
56) Ethyl methacrylate	10.514	69	381303	103.138	ug/l #	84
57) 1,3-Dichloropropane	10.794	76	405365	101.181	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	693939	427.747	ug/l	95
59) 2-Hexanone	10.843	43	1564986	469.552	ug/l	85
60) Dibromochloromethane	10.990	129	276461	102.944	ug/l	99
61) 1,2-Dibromoethane	11.093	107	258206	101.047	ug/l	100
64) Tetrachloroethene	10.727	164	320211	121.732	ug/l	98
65) Chlorobenzene	11.520	112	665690	105.291	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	252512	107.892	ug/l	99
67) Ethyl Benzene	11.599	91	1194892	108.086	ug/l	98
68) m/p-Xylenes	11.709	106	918532	215.296	ug/l	94
69) o-Xylene	12.032	106	439497	107.749	ug/l	97
70) Styrene	12.050	104	746692	107.565	ug/l	96
71) Bromoform	12.215	173	207954	104.339	ug/l #	98
73) Isopropylbenzene	12.337	105	1152062	107.026	ug/l	100
74) N-amyl acetate	12.148	43	440401	101.272	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	300103	90.766	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	294798m	105.584	ug/l	
77) Bromobenzene	12.611	156	279655	103.488	ug/l	92
78) n-propylbenzene	12.678	91	1391186	106.280	ug/l	99
79) 2-Chlorotoluene	12.764	91	779911	105.341	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	969535	108.414	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	127211	100.703	ug/l	91
82) 4-Chlorotoluene	12.861	91	800264	105.170	ug/l	99
83) tert-Butylbenzene	13.081	119	843489	107.337	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	960539	107.001	ug/l	98
85) sec-Butylbenzene	13.257	105	1251062	107.272	ug/l	99
86) p-Isopropyltoluene	13.373	119	1054654	108.216	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	544621	104.948	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	545968	104.185	ug/l	99
89) n-Butylbenzene	13.702	91	995706	108.648	ug/l	97
90) Hexachloroethane	13.965	117	199887	107.011	ug/l	92
91) 1,2-Dichlorobenzene	13.745	146	505441	103.809	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	98987	104.657	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	346096	108.146	ug/l	98
94) Hexachlorobutadiene	15.117	225	177583	109.287	ug/l	99
95) Naphthalene	15.239	128	1138048	109.616	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	326384	106.378	ug/l	99

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

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