

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
 Data File : VY016079.D
 Acq On : 26 Oct 2023 13:26
 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 10/27/2023
 Supervised By :Semsettin Yesilyurt 10/27/2023

Quant Time: Oct 27 03:58:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 03:53:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	212932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	340118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	304395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	214932	101.512	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.020%#			
35) Dibromofluoromethane	7.716	113	218577	101.799	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 203.600%#			
50) Toluene-d8	10.179	98	824357	103.648	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 207.300%#			
62) 4-Bromofluorobenzene	12.483	95	284144	104.150	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 208.300%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	147501	100.373	ug/l	97
3) Chloromethane	2.113	50	177275	98.446	ug/l	97
4) Vinyl Chloride	2.253	62	206402	100.333	ug/l	96
5) Bromomethane	2.637	94	149631	97.858	ug/l	99
6) Chloroethane	2.790	64	139310	98.866	ug/l	97
7) Trichlorofluoromethane	3.119	101	322017	97.816	ug/l	99
8) Diethyl Ether	3.528	74	110348	100.007	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	193928	97.649	ug/l	95
10) Methyl Iodide	4.088	142	254788	100.407	ug/l	97
11) Tert butyl alcohol	4.954	59	105725	521.477	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	179141	98.455	ug/l	92
13) Acrolein	3.723	56	131551	498.845	ug/l	99
14) Allyl chloride	4.473	41	284293	99.952	ug/l	92
15) Acrylonitrile	5.155	53	277984	513.552	ug/l	98
16) Acetone	3.942	43	290820	506.751	ug/l	89
17) Carbon Disulfide	4.192	76	494675	98.285	ug/l	99
18) Methyl Acetate	4.473	43	210168	103.579	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	532466	102.617	ug/l	99
20) Methylene Chloride	4.710	84	216592	103.141	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	206944	98.117	ug/l	96
22) Diisopropyl ether	6.119	45	619954	99.680	ug/l	89
23) Vinyl Acetate	6.058	43	1719363	515.969	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	369404	98.586	ug/l	97
25) 2-Butanone	6.984	43	389160	502.431	ug/l	93
26) 2,2-Dichloropropane	6.978	77	337620	96.926	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	244716	98.797	ug/l	92
28) Bromochloromethane	7.332	49	152127	99.240	ug/l	91
29) Tetrahydrofuran	7.344	42	233638	525.727	ug/l	91
30) Chloroform	7.502	83	386297	97.594	ug/l	97
31) Cyclohexane	7.783	56	314155	94.313	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	348880	98.264	ug/l	98
36) 1,1-Dichloropropene	7.917	75	294755	98.482	ug/l	99
37) Ethyl Acetate	7.070	43	157926	102.945	ug/l #	94
38) Carbon Tetrachloride	7.899	117	317247	100.235	ug/l	99
39) Methylcyclohexane	9.185	83	370804	101.697	ug/l	91
40) Benzene	8.161	78	840680	99.210	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	88419	110.130	ug/l #	90
42) 1,2-Dichloroethane	8.234	62	243892	99.609	ug/l	93
43) Isopropyl Acetate	8.271	43	299469	104.405	ug/l #	92
44) Trichloroethene	8.941	130	232893	98.427	ug/l	96
45) 1,2-Dichloropropane	9.216	63	211787	98.751	ug/l	96
46) Dibromomethane	9.307	93	127263	101.202	ug/l	96
47) Bromodichloromethane	9.496	83	303628	99.837	ug/l	100
48) Methyl methacrylate	9.295	41	140609	106.406	ug/l	86
49) 1,4-Dioxane	9.295	88	33000	2097.488	ug/l #	55
51) 4-Methyl-2-Pentanone	10.069	43	798610	527.653	ug/l	90
52) Toluene	10.246	92	541622	99.538	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	321856	103.494	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	358620	101.969	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	176215	98.626	ug/l	100
56) Ethyl methacrylate	10.508	69	247560	107.813	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	303363	101.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	593140	518.881	ug/l	94
59) 2-Hexanone	10.831	43	585805	525.431	ug/l	88
60) Dibromochloromethane	10.984	129	222324	101.613	ug/l	99
61) 1,2-Dibromoethane	11.087	107	173642	101.494	ug/l	99
64) Tetrachloroethene	10.721	164	200520	99.545	ug/l	96
65) Chlorobenzene	11.514	112	589306	98.515	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	223132	99.883	ug/l	98
67) Ethyl Benzene	11.593	91	1070336	100.738	ug/l	98
68) m/p-Xylenes	11.703	106	829606	201.764	ug/l	94
69) o-Xylene	12.032	106	398114	101.136	ug/l	96
70) Styrene	12.044	104	674820	102.843	ug/l	96
71) Bromoform	12.209	173	141987	104.343	ug/l #	99
73) Isopropylbenzene	12.331	105	1056953	99.536	ug/l	100
74) N-amyl acetate	12.142	43	276737	106.879	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	218739	100.771	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	157778m	101.722	ug/l	
77) Bromobenzene	12.611	156	246859	99.610	ug/l	98
78) n-propylbenzene	12.672	91	1279748	99.534	ug/l	99
79) 2-Chlorotoluene	12.758	91	708366	98.373	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	878870	99.687	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	75784	106.906	ug/l	92
82) 4-Chlorotoluene	12.855	91	733951	98.283	ug/l	100
83) tert-Butylbenzene	13.075	119	781545	99.730	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	868161	99.706	ug/l	98
85) sec-Butylbenzene	13.251	105	1165865	99.886	ug/l	100
86) p-Isopropyltoluene	13.367	119	974437	100.051	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	486847	97.288	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	480405	97.136	ug/l	99
89) n-Butylbenzene	13.696	91	914517	100.660	ug/l	96
90) Hexachloroethane	13.959	117	189632	100.008	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	435136	98.211	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	35038	102.817	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	280874	102.469	ug/l	99
94) Hexachlorobutadiene	15.111	225	157065	98.727	ug/l	98
95) Naphthalene	15.233	128	582415	108.949	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	244145	103.284	ug/l	99

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

