

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
 Data File : VY014516.D
 Acq On : 30 Jun 2023 14:49
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/03/2023
 Supervised By :Mahesh Dadoda 07/03/2023

Quant Time: Jun 30 18:47:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 15:18:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	420501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	619832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	573069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	301573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	586428	140.191	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 280.380%#			
35) Dibromofluoromethane	7.710	113	572083	149.879	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 299.760%#			
50) Toluene-d8	10.173	98	2183042	144.679	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 289.360%#			
62) 4-Bromofluorobenzene	12.477	95	773501	147.629	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 295.260%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	420644	150.158	ug/l	97
3) Chloromethane	2.107	50	630012	129.366	ug/l	97
4) Vinyl Chloride	2.241	62	754117	134.342	ug/l	98
5) Bromomethane	2.607	94	565375	129.889	ug/l	98
6) Chloroethane	2.765	64	500476	138.467	ug/l	97
7) Trichlorofluoromethane	3.107	101	932524	136.782	ug/l	99
8) Diethyl Ether	3.521	74	371996	144.105	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.881	101	557922	137.039	ug/l	97
10) Methyl Iodide	4.076	142	762690	164.164	ug/l	91
11) Tert butyl alcohol	4.954	59	518711	754.641	ug/l #	82
12) 1,1-Dichloroethene	3.857	96	564771	143.195	ug/l	86
13) Acrolein	3.723	56	417324	752.549	ug/l	100
14) Allyl chloride	4.466	41	876430	147.430	ug/l	86
15) Acrylonitrile	5.149	53	1134383	765.490	ug/l	98
16) Acetone	3.942	43	896242	686.072	ug/l #	88
17) Carbon Disulfide	4.180	76	1702490	141.647	ug/l	99
18) Methyl Acetate	4.466	43	871996	146.637	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	1741728	153.653	ug/l	100
20) Methylene Chloride	4.704	84	656475	149.487	ug/l	86
21) trans-1,2-Dichloroethene	5.204	96	638408	142.999	ug/l	95
22) Diisopropyl ether	6.112	45	1783487	145.598	ug/l #	87
23) Vinyl Acetate	6.051	43	5562912	784.947	ug/l #	92
24) 1,1-Dichloroethane	6.003	63	1086518	141.292	ug/l	98
25) 2-Butanone	6.978	43	1478502	764.370	ug/l #	90
26) 2,2-Dichloropropane	6.972	77	892516	136.169	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	745530	147.213	ug/l	89
28) Bromochloromethane	7.326	49	437015	135.341	ug/l #	81
29) Tetrahydrofuran	7.338	42	983618	788.379	ug/l #	85
30) Chloroform	7.496	83	1117160	139.267	ug/l	97
31) Cyclohexane	7.777	56	915977	139.573	ug/l	94
32) 1,1,1-Trichloroethane	7.691	97	966587	140.970	ug/l	96
36) 1,1-Dichloropropene	7.911	75	860645	147.237	ug/l	97
37) Ethyl Acetate	7.063	43	626632	156.318	ug/l #	92
38) Carbon Tetrachloride	7.893	117	881092	144.395	ug/l	99
39) Methylcyclohexane	9.179	83	1081323	154.766	ug/l	94
40) Benzene	8.155	78	2563826	144.899	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	319239m	158.745	ug/l	
42) 1,2-Dichloroethane	8.228	62	742653	142.798	ug/l	92
43) Isopropyl Acetate	8.264	43	1069822	157.479	ug/l #	92
44) Trichloroethene	8.935	130	716230	145.196	ug/l	95
45) 1,2-Dichloropropane	9.209	63	656858	144.710	ug/l	96
46) Dibromomethane	9.301	93	407348	147.410	ug/l	94
47) Bromodichloromethane	9.490	83	882094	144.875	ug/l	98
48) Methyl methacrylate	9.289	41	494334	160.016	ug/l #	79
49) 1,4-Dioxane	9.295	88	165939	3362.842	ug/l #	53
51) 4-Methyl-2-Pentanone	10.063	43	3147524	782.600	ug/l #	87
52) Toluene	10.240	92	1645260	147.761	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	995066	152.828	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	1082631	149.029	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	591733	147.163	ug/l	98
56) Ethyl methacrylate	10.508	69	891413	162.973	ug/l #	78
57) 1,3-Dichloropropane	10.782	76	967143	147.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	2127136	802.752	ug/l	95
59) 2-Hexanone	10.825	43	2341849	806.076	ug/l	85
60) Dibromochloromethane	10.983	129	705503	149.739	ug/l	100
61) 1,2-Dibromoethane	11.087	107	593147	151.098	ug/l	99
64) Tetrachloroethene	10.715	164	702065	137.045	ug/l	96
65) Chlorobenzene	11.514	112	1787857	146.394	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	688942	148.424	ug/l	98
67) Ethyl Benzene	11.587	91	3168725	152.150	ug/l	97
68) m/p-Xylenes	11.697	106	2502154	302.885	ug/l	92
69) o-Xylene	12.026	106	1210666	154.515	ug/l	93
70) Styrene	12.038	104	2078547	154.189	ug/l	96
71) Bromoform	12.203	173	541405	153.529	ug/l	100
73) Isopropylbenzene	12.325	105	3056829	154.770	ug/l	98
74) N-amyl acetate	12.142	43	974413	163.465	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	780701	154.030	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	528605m	148.587	ug/l	
77) Bromobenzene	12.605	156	819096	151.838	ug/l	95
78) n-propylbenzene	12.666	91	3648875	151.451	ug/l	97
79) 2-Chlorotoluene	12.751	91	2091173	150.821	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	2562016	153.227	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.374	75	291026	160.068	ug/l #	85
82) 4-Chlorotoluene	12.849	91	2161353	148.794	ug/l	97
83) tert-Butylbenzene	13.075	119	2293283	156.061	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	2573746	154.256	ug/l	97
85) sec-Butylbenzene	13.251	105	3257764	150.236	ug/l	99
86) p-Isopropyltoluene	13.367	119	2825828	154.853	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	1569259	148.780	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	1546920	146.344	ug/l	98
89) n-Butylbenzene	13.690	91	2566378	152.177	ug/l	96
90) Hexachloroethane	13.959	117	523747	144.892	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	1412194	147.812	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	146136	157.484	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	993440	160.988	ug/l	98
94) Hexachlorobutadiene	15.111	225	563147	148.484	ug/l	97
95) Naphthalene	15.233	128	2329346	177.422	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	910688	161.969	ug/l	98

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

