

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
 Data File : VY020689.D
 Acq On : 23 Dec 2024 13:24
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Dec 23 13:47:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 13:45:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
 Supervised By :Mahesh Dadoda 12/26/2024

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	118653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	164956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	141375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	70138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	166588	158.528	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 317.060%#			
35) Dibromofluoromethane	7.646	113	147969	152.769	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.540%#			
50) Toluene-d8	10.115	98	580903	165.125	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 330.240%#			
62) 4-Bromofluorobenzene	12.414	95	196112	153.160	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 306.320%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	134463	147.096	ug/l	100
3) Chloromethane	2.074	50	58006	155.759	ug/l	97
4) Vinyl Chloride	2.214	62	71134	156.670	ug/l	98
5) Bromomethane	2.604	94	53718	167.549	ug/l	95
6) Chloroethane	2.745	64	44411	160.936	ug/l	95
7) Trichlorofluoromethane	3.074	101	253259	155.107	ug/l	98
8) Diethyl Ether	3.470	74	60863	155.730	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.830	101	135606	152.089	ug/l	91
10) Methyl Iodide	4.019	142	166424	162.032	ug/l #	87
11) Tert butyl alcohol	4.891	59	46487	552.605	ug/l	98
12) 1,1-Dichloroethene	3.806	96	123149	155.626	ug/l	93
13) Acrolein	3.671	56	10860	740.749	ug/l	99
14) Allyl chloride	4.403	41	148981	160.548	ug/l #	74
15) Acrylonitrile	5.074	53	113912	790.747	ug/l	97
16) Acetone	3.885	43	85270	710.409	ug/l	100
17) Carbon Disulfide	4.123	76	324936	164.698	ug/l	99
18) Methyl Acetate	4.397	43	51789	166.772	ug/l #	85
19) Methyl tert-butyl Ether	5.135	73	337824	156.949	ug/l #	88
20) Methylene Chloride	4.635	84	118243	147.834	ug/l #	85
21) trans-1,2-Dichloroethene	5.135	96	132986	155.860	ug/l	89
22) Diisopropyl ether	6.031	45	286326	150.931	ug/l #	82
23) Vinyl Acetate	5.976	43	881097	784.352	ug/l #	89
24) 1,1-Dichloroethane	5.933	63	217525	153.814	ug/l	97
25) 2-Butanone	6.909	43	127141	754.045	ug/l #	83
26) 2,2-Dichloropropane	6.903	77	258411	146.050	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	157335	154.818	ug/l	90
28) Bromochloromethane	7.256	49	66534	150.678	ug/l #	56
29) Tetrahydrofuran	7.274	42	78165	788.722	ug/l #	71
30) Chloroform	7.433	83	270669	145.605	ug/l	94
31) Cyclohexane	7.713	56	170404	137.425	ug/l #	80
32) 1,1,1-Trichloroethane	7.634	97	294790	151.797	ug/l	96
36) 1,1-Dichloropropene	7.847	75	180118	152.988	ug/l	95
37) Ethyl Acetate	6.994	43	60857	158.166	ug/l #	94
38) Carbon Tetrachloride	7.829	117	295253	154.972	ug/l	98
39) Methylcyclohexane	9.116	83	237823	158.923	ug/l	91
40) Benzene	8.091	78	523806	154.222	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	31885	146.421	ug/l #	85
42) 1,2-Dichloroethane	8.171	62	165429	153.149	ug/l	98
43) Isopropyl Acetate	8.207	43	131403	164.314	ug/l #	92
44) Trichloroethene	8.872	130	153176	151.961	ug/l	96
45) 1,2-Dichloropropane	9.146	63	103202	154.651	ug/l	98
46) Dibromomethane	9.237	93	71272	154.707	ug/l	92
47) Bromodichloromethane	9.433	83	202588	155.020	ug/l #	98
48) Methyl methacrylate	9.225	41	63549	167.633	ug/l #	81
49) 1,4-Dioxane	9.244	88	14771	3074.487	ug/l	86
51) 4-Methyl-2-Pentanone	10.006	43	315090	788.748	ug/l	92
52) Toluene	10.176	92	360597	155.908	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	186208	161.029	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	200337	157.228	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	91887	154.039	ug/l	94
56) Ethyl methacrylate	10.445	69	130318	171.265	ug/l	88
57) 1,3-Dichloropropane	10.725	76	151026	154.887	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	238338	838.195	ug/l #	81
59) 2-Hexanone	10.768	43	215657	847.520	ug/l	94
60) Dibromochloromethane	10.920	129	149883	157.377	ug/l	99
61) 1,2-Dibromoethane	11.024	107	87299	156.108	ug/l	99
64) Tetrachloroethene	10.652	164	146561	156.096	ug/l	99
65) Chlorobenzene	11.450	112	407595	154.283	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	157994	153.146	ug/l	95
67) Ethyl Benzene	11.524	91	734276	154.917	ug/l	98
68) m/p-Xylenes	11.633	106	556852	308.089	ug/l	99
69) o-Xylene	11.963	106	258997	152.546	ug/l	97
70) Styrene	11.975	104	438074	153.403	ug/l	98
71) Bromoform	12.139	173	92813	157.066	ug/l #	98
73) Isopropylbenzene	12.261	105	726636	152.310	ug/l	99
74) N-amyl acetate	12.078	43	114005	170.064	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.511	83	93652	152.547	ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	75170m	163.518	ug/l	
77) Bromobenzene	12.536	156	168664	155.256	ug/l	85
78) n-propylbenzene	12.603	91	811953	150.960	ug/l	95
79) 2-Chlorotoluene	12.688	91	460395	150.361	ug/l	96
80) 1,3,5-Trimethylbenzene	12.743	105	598606	151.278	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	35122	157.841	ug/l	89
82) 4-Chlorotoluene	12.786	91	481776	154.276	ug/l	98
83) tert-Butylbenzene	13.005	119	556945	151.269	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	586180	151.646	ug/l	99
85) sec-Butylbenzene	13.182	105	754129	152.117	ug/l	97
86) p-Isopropyltoluene	13.298	119	668742	154.295	ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	317774	150.573	ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	313256	151.502	ug/l	99
89) n-Butylbenzene	13.627	91	569116	155.866	ug/l	96
90) Hexachloroethane	13.889	117	127446	155.000	ug/l	86
91) 1,2-Dichlorobenzene	13.664	146	275211	151.951	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	18972	162.178	ug/l	95
93) 1,2,4-Trichlorobenzene	14.932	180	190996	177.625	ug/l	99
94) Hexachlorobutadiene	15.035	225	130134	162.543	ug/l	99
95) Naphthalene	15.151	128	321245	153.526	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	159815	177.777	ug/l	99

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

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