

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020978.D
 Acq On : 30 Jan 2025 10:44
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 31 02:03:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 01:50:40 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/31/2025
 Supervised By :Mahesh Dadoda 01/31/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	231620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	331494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	286621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	139150	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	283583	143.802	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 287.600%#	
35) Dibromofluoromethane	7.640	113	302643	151.862	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 303.720%#	
50) Toluene-d8	10.109	98	1165607	149.852	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 299.700%#	
62) 4-Bromofluorobenzene	12.408	95	394456	151.130	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 302.260%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	305027	154.879	ug/l	99
3) Chloromethane	2.074	50	181355	144.840	ug/l	99
4) Vinyl Chloride	2.208	62	189980	147.156	ug/l	97
5) Bromomethane	2.592	94	123533	141.348	ug/l	100
6) Chloroethane	2.739	64	110116	146.013	ug/l	97
7) Trichlorofluoromethane	3.062	101	468702	150.441	ug/l	97
8) Diethyl Ether	3.458	74	145786	156.741	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	312695	149.051	ug/l	100
10) Methyl Iodide	4.013	142	388325	161.756	ug/l	99
11) Tert butyl alcohol	4.872	59	83810	581.794	ug/l	99
12) 1,1-Dichloroethene	3.793	96	297141	151.560	ug/l	98
13) Acrolein	3.653	56	122063	735.820	ug/l	100
14) Allyl chloride	4.391	41	406696	150.681	ug/l	100
15) Acrylonitrile	5.067	53	279729	731.162	ug/l	99
16) Acetone	3.879	43	185872	691.537	ug/l	97
17) Carbon Disulfide	4.110	76	912202	151.069	ug/l	99
18) Methyl Acetate	4.391	43	134836	143.365	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	702690	153.988	ug/l	99
20) Methylene Chloride	4.622	84	285487	144.013	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	316072	150.368	ug/l	99
22) Diisopropyl ether	6.025	45	793151	144.165	ug/l	97
23) Vinyl Acetate	5.964	43	2246848	737.453	ug/l	98
24) 1,1-Dichloroethane	5.921	63	525611	148.089	ug/l	99
25) 2-Butanone	6.896	43	321487	705.059	ug/l	99
26) 2,2-Dichloropropane	6.890	77	503306	144.027	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	366547	151.712	ug/l	98
28) Bromochloromethane	7.250	49	193122	146.043	ug/l	96
29) Tetrahydrofuran	7.268	42	219521	715.451	ug/l	97
30) Chloroform	7.427	83	563125	146.485	ug/l	99
31) Cyclohexane	7.707	56	475478	137.054	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	560899	150.761	ug/l	99
36) 1,1-Dichloropropene	7.841	75	425231	149.569	ug/l	99
37) Ethyl Acetate	6.988	43	154391	145.661	ug/l	98
38) Carbon Tetrachloride	7.823	117	539139	153.239	ug/l	97
39) Methylcyclohexane	9.115	83	595050	155.801	ug/l	99
40) Benzene	8.085	78	1247617	149.138	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	98349	167.701	ug/l	97
42) 1,2-Dichloroethane	8.164	62	319053	150.385	ug/l	99
43) Isopropyl Acetate	8.201	43	323561	152.803	ug/l #	84
44) Trichloroethene	8.866	130	347665	150.613	ug/l	99
45) 1,2-Dichloropropane	9.146	63	275562	146.965	ug/l	98
46) Dibromomethane	9.231	93	160731	147.303	ug/l	99
47) Bromodichloromethane	9.426	83	435487	151.975	ug/l	97
48) Methyl methacrylate	9.225	41	153018	151.782	ug/l	96
49) 1,4-Dioxane	9.231	88	35936	3099.347	ug/l	89
51) 4-Methyl-2-Pentanone	9.999	43	788500	724.683	ug/l	98
52) Toluene	10.176	92	823001	151.562	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	407713	157.230	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	474391	153.068	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	215393	148.433	ug/l	100
56) Ethyl methacrylate	10.438	69	310033	163.451	ug/l	97
57) 1,3-Dichloropropane	10.719	76	365597	148.645	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	648608	805.655	ug/l	98
59) 2-Hexanone	10.762	43	535470	757.129	ug/l	99
60) Dibromochloromethane	10.914	129	318711	154.040	ug/l	99
61) 1,2-Dibromoethane	11.018	107	209421	151.095	ug/l	99
64) Tetrachloroethene	10.652	164	324348	150.017	ug/l	98
65) Chlorobenzene	11.444	112	907348	150.254	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	323170	150.786	ug/l	98
67) Ethyl Benzene	11.524	91	1599733	153.001	ug/l	99
68) m/p-Xylenes	11.633	106	1218351	303.287	ug/l	99
69) o-Xylene	11.956	106	577315	154.592	ug/l	99
70) Styrene	11.975	104	952717	153.660	ug/l	99
71) Bromoform	12.139	173	188896	149.544	ug/l #	100
73) Isopropylbenzene	12.261	105	1528234	156.376	ug/l	100
74) N-amyl acetate	12.072	43	285905	160.660	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	228699	144.974	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	163907m	145.529	ug/l	
77) Bromobenzene	12.536	156	363042	156.685	ug/l	98
78) n-propylbenzene	12.597	91	1768923	154.442	ug/l	99
79) 2-Chlorotoluene	12.682	91	1007710	154.422	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	1241344	155.041	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	83944	158.189	ug/l	99
82) 4-Chlorotoluene	12.779	91	1019004	152.573	ug/l	99
83) tert-Butylbenzene	12.999	119	1169146	157.444	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	1222539	156.313	ug/l	100
85) sec-Butylbenzene	13.182	105	1605463	152.710	ug/l	98
86) p-Isopropyltoluene	13.298	119	1387704	157.070	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	685812	151.802	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	679536	151.472	ug/l	99
89) n-Butylbenzene	13.621	91	1245607	157.403	ug/l	99
90) Hexachloroethane	13.883	117	280233	156.784	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	601761	152.742	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	38632	159.066	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	433346	179.645	ug/l	98
94) Hexachlorobutadiene	15.029	225	279340	167.199	ug/l	100
95) Naphthalene	15.151	128	749936	148.257	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	374094	150.625	ug/l	100

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

