

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010625\
 Data File : VY020781.D
 Acq On : 06 Jan 2025 13:27
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY010625

Quant Time: Jan 07 05:58:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/07/2025
 Supervised By :Semsettin Yesilyurt 01/07/2025

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	181184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	265209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	222082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	105944	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	77964	50.626	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.260%
35) Dibromofluoromethane	7.646	113	83844	50.462	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.920%
50) Toluene-d8	10.115	98	323230	55.806	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.620%
62) 4-Bromofluorobenzene	12.414	95	105840	49.483	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	98.960%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	58445	43.954	ug/l	100
3) Chloromethane	2.080	50	34702	49.565	ug/l	94
4) Vinyl Chloride	2.214	62	38555	49.537	ug/l	100
5) Bromomethane	2.611	94	27333	49.307	ug/l	91
6) Chloroethane	2.751	64	24122	50.254	ug/l	98
7) Trichlorofluoromethane	3.074	101	111667	46.747	ug/l	97
8) Diethyl Ether	3.470	74	34590	46.305	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.836	101	74575	46.230	ug/l	99
10) Methyl Iodide	4.025	142	83427	48.259	ug/l	99
11) Tert butyl alcohol	4.879	59	20805	178.788	ug/l	99
12) 1,1-Dichloroethene	3.812	96	66799	47.277	ug/l	96
13) Acrolein	3.665	56	4698	143.761	ug/l	89
14) Allyl chloride	4.403	41	96533	47.356	ug/l	98
15) Acrylonitrile	5.080	53	70145	220.944	ug/l	99
16) Acetone	3.885	43	48493	221.438	ug/l	98
17) Carbon Disulfide	4.129	76	155790	50.826	ug/l	97
18) Methyl Acetate	4.403	43	32670	44.183	ug/l	100
19) Methyl tert-butyl Ether	5.135	73	174872	43.855	ug/l	100
20) Methylene Chloride	4.635	84	71250	47.111	ug/l	99
21) trans-1,2-Dichloroethene	5.135	96	72895	46.849	ug/l	95
22) Diisopropyl ether	6.037	45	203876	46.951	ug/l	99
23) Vinyl Acetate	5.982	43	548922	229.269	ug/l	99
24) 1,1-Dichloroethane	5.939	63	135717	47.372	ug/l	99
25) 2-Butanone	6.909	43	76954	213.921	ug/l	94
26) 2,2-Dichloropropane	6.903	77	136039	45.735	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	92340	47.036	ug/l	100
28) Bromochloromethane	7.262	49	42778	55.336	ug/l	100
29) Tetrahydrofuran	7.281	42	49285	214.473	ug/l	99
30) Chloroform	7.433	83	149042	45.619	ug/l	99
31) Cyclohexane	7.713	56	101424	45.261	ug/l	97
32) 1,1,1-Trichloroethane	7.634	97	145176	45.555	ug/l	100
36) 1,1-Dichloropropene	7.848	75	99557	46.977	ug/l	99
37) Ethyl Acetate	6.994	43	35757	42.399	ug/l	97
38) Carbon Tetrachloride	7.835	117	136229	46.179	ug/l	98
39) Methylcyclohexane	9.122	83	123883	47.637	ug/l	100
40) Benzene	8.091	78	310368	47.718	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	21008	43.496	ug/l #	92
42) 1,2-Dichloroethane	8.171	62	80635	45.396	ug/l	98
43) Isopropyl Acetate	8.207	43	75339	43.920	ug/l	99
44) Trichloroethene	8.878	130	86435	47.670	ug/l	99
45) 1,2-Dichloropropane	9.152	63	69741	47.297	ug/l	97
46) Dibromomethane	9.244	93	38979	46.035	ug/l	98
47) Bromodichloromethane	9.433	83	111821	46.112	ug/l	98
48) Methyl methacrylate	9.231	41	34219	44.497	ug/l	98
49) 1,4-Dioxane	9.244	88	8075	898.217	ug/l	95
51) 4-Methyl-2-Pentanone	10.006	43	182892	213.417	ug/l	99
52) Toluene	10.182	92	206000	47.828	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	100423	46.561	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	118097	47.147	ug/l	97
55) 1,1,2-Trichloroethane	10.585	97	53557	44.274	ug/l	96
56) Ethyl methacrylate	10.451	69	70100	45.886	ug/l	98
57) 1,3-Dichloropropane	10.725	76	90209	45.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	155145	255.992	ug/l	100
59) 2-Hexanone	10.768	43	119712	217.743	ug/l	99
60) Dibromochloromethane	10.920	129	79538	45.336	ug/l	100
61) 1,2-Dibromoethane	11.024	107	48429	44.594	ug/l	98
64) Tetrachloroethene	10.658	164	75390	46.173	ug/l	97
65) Chlorobenzene	11.451	112	229434	46.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	84905	45.422	ug/l	99
67) Ethyl Benzene	11.530	91	403408	47.453	ug/l	100
68) m/p-Xylenes	11.640	106	309056	94.424	ug/l	99
69) o-Xylene	11.963	106	145929	47.023	ug/l	99
70) Styrene	11.981	104	244202	46.746	ug/l	100
71) Bromoform	12.139	173	46295	43.566	ug/l #	100
73) Isopropylbenzene	12.267	105	403944	48.061	ug/l	100
74) N-ethyl acetate	12.078	43	63469	46.166	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.517	83	55510	43.576	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	39782m	42.915	ug/l	
77) Bromobenzene	12.542	156	90872	46.895	ug/l	99
78) n-propylbenzene	12.609	91	461451	48.371	ug/l	100
79) 2-Chlorotoluene	12.688	91	261185	47.543	ug/l	99
80) 1,3,5-Trimethylbenzene	12.749	105	326109	47.877	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.316	75	19709	44.830	ug/l	98
82) 4-Chlorotoluene	12.786	91	269161	47.476	ug/l	98
83) tert-Butylbenzene	13.005	119	311399	48.881	ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	318408	47.870	ug/l	100
85) sec-Butylbenzene	13.188	105	429395	48.255	ug/l	100
86) p-Isopropyltoluene	13.304	119	366143	48.234	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	176315	46.828	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	170706	46.059	ug/l	99
89) n-Butylbenzene	13.627	91	321237	48.779	ug/l	100
90) Hexachloroethane	13.889	117	70157	46.027	ug/l	98
91) 1,2-Dichlorobenzene	13.670	146	150893	45.835	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	8781	42.632	ug/l	96
93) 1,2,4-Trichlorobenzene	14.932	180	92546	48.848	ug/l	99
94) Hexachlorobutadiene	15.035	225	65597	49.113	ug/l	98
95) Naphthalene	15.157	128	145113	46.538	ug/l	99
96) 1,2,3-Trichlorobenzene	15.346	180	75741	47.718	ug/l	99

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

Manual Integrations

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