

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010625\
 Data File : VY020776.D
 Acq On : 06 Jan 2025 10:23
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Jan 07 01:03:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 00:58:55 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	7.713	168	152397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	225358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	190060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	94354	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	25385	19.597	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.200%#
35) Dibromofluoromethane	7.640	113	29086	20.601	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.200%#
50) Toluene-d8	10.109	98	93598	19.017	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	38.040%#
62) 4-Bromofluorobenzene	12.408	95	38731	21.310	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	42.620%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	24020	21.477	ug/l	96
3) Chloromethane	2.074	50	12060	20.479	ug/l	96
4) Vinyl Chloride	2.208	62	13382	20.442	ug/l	96
5) Bromomethane	2.599	94	9265	19.870	ug/l	100
6) Chloroethane	2.745	64	8076	20.003	ug/l	99
7) Trichlorofluoromethane	3.068	101	41934	20.871	ug/l	96
8) Diethyl Ether	3.464	74	13660	21.741	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	28891	21.293	ug/l	99
10) Methyl Iodide	4.019	142	29568	20.335	ug/l	99
11) Tert butyl alcohol	4.854	59	11255	114.990	ug/l	99
12) 1,1-Dichloroethene	3.800	96	24434	20.560	ug/l	96
13) Acrolein	3.665	56	4426	161.021	ug/l	99
14) Allyl chloride	4.391	41	35288	20.581	ug/l	98
15) Acrylonitrile	5.068	53	29268	109.603	ug/l	97
16) Acetone	3.879	43	20472	111.141	ug/l	95
17) Carbon Disulfide	4.117	76	50078	19.424	ug/l	98
18) Methyl Acetate	4.397	43	14020	22.542	ug/l	99
19) Methyl tert-butyl Ether	5.135	73	73032	21.775	ug/l	100
20) Methylene Chloride	4.629	84	27503	21.620	ug/l	98
21) trans-1,2-Dichloroethene	5.129	96	27038	20.659	ug/l	98
22) Diisopropyl ether	6.025	45	80570	22.059	ug/l	94
23) Vinyl Acetate	5.970	43	221732	110.105	ug/l	99
24) 1,1-Dichloroethane	5.927	63	51529	21.384	ug/l	98
25) 2-Butanone	6.909	43	33932	112.144	ug/l	98
26) 2,2-Dichloropropane	6.897	77	52867	21.131	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	35656	21.593	ug/l	98
28) Bromochloromethane	7.256	49	12867	19.788	ug/l	98
29) Tetrahydrofuran	7.275	42	21662	112.073	ug/l	98
30) Chloroform	7.427	83	59130	21.517	ug/l	96
31) Cyclohexane	7.713	56	37819	20.065	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	56467	21.066	ug/l	99
36) 1,1-Dichloropropene	7.841	75	37666	20.916	ug/l	99
37) Ethyl Acetate	6.988	43	15664	21.858	ug/l	96
38) Carbon Tetrachloride	7.823	117	52528	20.955	ug/l	96
39) Methylcyclohexane	9.116	83	45601	20.636	ug/l	98
40) Benzene	8.085	78	117743	21.304	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	8843	21.546	ug/l	93
42) 1,2-Dichloroethane	8.165	62	32634	21.621	ug/l	98
43) Isopropyl Acetate	8.201	43	32778	22.488	ug/l	99
44) Trichloroethene	8.872	130	32834	21.311	ug/l	93
45) 1,2-Dichloropropane	9.146	63	27300	21.788	ug/l	99
46) Dibromomethane	9.238	93	15212	21.143	ug/l	97
47) Bromodichloromethane	9.427	83	45302	21.985	ug/l	99
48) Methyl methacrylate	9.225	41	13952	21.351	ug/l	92
49) 1,4-Dioxane	9.231	88	3443	450.704	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	83349	114.459	ug/l	100
52) Toluene	10.176	92	79192	21.638	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	39886	21.763	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	45644	21.445	ug/l	94
55) 1,1,2-Trichloroethane	10.579	97	23414	22.778	ug/l	96
56) Ethyl methacrylate	10.445	69	28859	22.231	ug/l	99
57) 1,3-Dichloropropane	10.719	76	36920	22.035	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	57520	111.692	ug/l	98
59) 2-Hexanone	10.762	43	54477	116.610	ug/l	98
60) Dibromochloromethane	10.914	129	32874	22.051	ug/l	100
61) 1,2-Dibromoethane	11.018	107	20185	21.873	ug/l	97
64) Tetrachloroethene	10.652	164	29264	20.943	ug/l	98
65) Chlorobenzene	11.445	112	89251	21.239	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	34486	21.557	ug/l	99
67) Ethyl Benzene	11.524	91	155305	21.347	ug/l	99
68) m/p-Xylenes	11.633	106	120899	43.161	ug/l	97
69) o-Xylene	11.957	106	56976	21.453	ug/l	98
70) Styrene	11.975	104	97946	21.908	ug/l	99
71) Bromoform	12.140	173	20038	22.034	ug/l #	99
73) Isopropylbenzene	12.255	105	157611	21.056	ug/l	100
74) N-amyl acetate	12.072	43	26871	21.946	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	24601	21.684	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	16948m	20.292	ug/l	
77) Bromobenzene	12.536	156	36892	21.377	ug/l	99
78) n-propylbenzene	12.597	91	179484	21.125	ug/l	100
79) 2-Chlorotoluene	12.682	91	103847	21.225	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	127648	21.043	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	8588	21.934	ug/l	98
82) 4-Chlorotoluene	12.780	91	107330	21.257	ug/l	100
83) tert-Butylbenzene	13.005	119	123677	21.798	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	128105	21.625	ug/l	98
85) sec-Butylbenzene	13.182	105	168032	21.203	ug/l	100
86) p-Isopropyltoluene	13.298	119	145498	21.522	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	70648	21.068	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	71071	21.531	ug/l	99
89) n-Butylbenzene	13.621	91	124368	21.205	ug/l	100
90) Hexachloroethane	13.883	117	28135	20.726	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	62869	21.443	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4080	22.242	ug/l	98
93) 1,2,4-Trichlorobenzene	14.926	180	35528	21.056	ug/l	99
94) Hexachlorobutadiene	15.029	225	24696	20.761	ug/l	99
95) Naphthalene	15.151	128	58742	21.153	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	29372	20.778	ug/l	99

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

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