

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012425\
 Data File : VY020933.D
 Acq On : 24 Jan 2025 16:21
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/27/2025
 Supervised By :Mahesh Dadoda 01/27/2025

Quant Time: Jan 25 00:50:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 00:43:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	281879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	419828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	342195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	161896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	10646	4.737	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.480%#		
35) Dibromofluoromethane	7.646	113	11086	4.600	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.200%#		
50) Toluene-d8	10.115	98	41178	4.405	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.800%#		
62) 4-Bromofluorobenzene	12.414	95	13378	4.300	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	8.600%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	11106	5.209	ug/l	98
3) Chloromethane	2.074	50	8479	5.347	ug/l	94
4) Vinyl Chloride	2.208	62	8700	5.034	ug/l	95
5) Bromomethane	2.604	94	6882	5.879	ug/l	93
6) Chloroethane	2.745	64	5140	5.069	ug/l	93
7) Trichlorofluoromethane	3.074	101	17977	4.896	ug/l	100
8) Diethyl Ether	3.464	74	5246	4.648	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.830	101	12332	5.090	ug/l	97
10) Methyl Iodide	4.019	142	13968	4.838	ug/l	99
11) Tert butyl alcohol	4.842	59	5388m	31.056	ug/l	
12) 1,1-Dichloroethene	3.805	96	11301	4.939	ug/l	93
13) Acrolein	3.671	56	4400	18.708	ug/l	93
14) Allyl chloride	4.397	41	15437	4.834	ug/l	97
15) Acrylonitrile	5.074	53	9621	21.688	ug/l	97
16) Acetone	3.873	43	7330	24.072	ug/l	90
17) Carbon Disulfide	4.116	76	34877	4.936	ug/l	100
18) Methyl Acetate	4.403	43	5424	4.931	ug/l	100
19) Methyl tert-butyl Ether	5.128	73	23699	4.472	ug/l	97
20) Methylene Chloride	4.635	84	11691	5.162	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	12413	5.032	ug/l	96
22) Diisopropyl ether	6.031	45	30193	4.700	ug/l	94
23) Vinyl Acetate	5.976	43	74699	21.011	ug/l	99
24) 1,1-Dichloroethane	5.933	63	19970	4.904	ug/l	97
25) 2-Butanone	6.909	43	11135	21.588	ug/l	89
26) 2,2-Dichloropropane	6.896	77	21750	5.423	ug/l	95
27) cis-1,2-Dichloroethene	6.902	96	13712	4.925	ug/l	97
28) Bromochloromethane	7.256	49	6553	3.999	ug/l	96
29) Tetrahydrofuran	7.274	42	7033	20.459	ug/l	97
30) Chloroform	7.433	83	21395	4.964	ug/l	92
31) Cyclohexane	7.713	56	23036	5.756	ug/l #	75
32) 1,1,1-Trichloroethane	7.628	97	20789	4.973	ug/l	98
36) 1,1-Dichloropropene	7.847	75	17019	5.058	ug/l	99
37) Ethyl Acetate	6.994	43	5733	4.391	ug/l #	96
38) Carbon Tetrachloride	7.829	117	20118	4.958	ug/l	95
39) Methylcyclohexane	9.122	83	22003	4.830	ug/l	94
40) Benzene	8.091	78	48520	4.915	ug/l	97

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	2690	3.900	ug/l #	91
42) 1,2-Dichloroethane	8.164	62	11785	4.798	ug/l	99
43) Isopropyl Acetate	8.207	43	9892	3.996	ug/l	96
44) Trichloroethene	8.872	130	12984	4.841	ug/l	97
45) 1,2-Dichloropropane	9.152	63	10331	4.741	ug/l	99
46) Dibromomethane	9.237	93	5533	4.466	ug/l	95
47) Bromodichloromethane	9.432	83	15563	4.721	ug/l	98
48) Methyl methacrylate	9.231	41	4640	3.973	ug/l	92
49) 1,4-Dioxane	9.237	88	1089	85.374	ug/l	96
51) 4-Methyl-2-Pentanone	10.006	43	25282	20.253	ug/l	98
52) Toluene	10.176	92	30300	4.772	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	13104	4.336	ug/l	96
54) cis-1,3-Dichloropropene	9.865	75	16741	4.639	ug/l	93
55) 1,1,2-Trichloroethane	10.579	97	7915	4.727	ug/l	98
56) Ethyl methacrylate	10.451	69	8214	3.743	ug/l	95
57) 1,3-Dichloropropane	10.725	76	13090	4.601	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.719	63	17897	17.967	ug/l	98
59) 2-Hexanone	10.768	43	14658	18.261	ug/l	99
60) Dibromochloromethane	10.920	129	10778	4.573	ug/l	96
61) 1,2-Dibromoethane	11.024	107	7318	4.569	ug/l	96
64) Tetrachloroethene	10.658	164	12240	5.140	ug/l	95
65) Chlorobenzene	11.450	112	33264	4.971	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	11714	4.926	ug/l	99
67) Ethyl Benzene	11.524	91	56470	4.836	ug/l	99
68) m/p-Xylenes	11.639	106	42909	9.597	ug/l	98
69) o-Xylene	11.963	106	19933	4.773	ug/l	98
70) Styrene	11.975	104	30761	4.494	ug/l	96
71) Bromoform	12.139	173	6090	4.523	ug/l #	98
73) Isopropylbenzene	12.261	105	54948	4.928	ug/l	99
74) N-amyl acetate	12.078	43	7568	3.814	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.517	83	7848	4.524	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	4726m	4.129	ug/l	
77) Bromobenzene	12.542	156	12881	4.928	ug/l	95
78) n-propylbenzene	12.603	91	64297	4.950	ug/l	100
79) 2-Chlorotoluene	12.688	91	36759	4.990	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	43435	4.848	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	2218	3.744	ug/l #	83
82) 4-Chlorotoluene	12.786	91	37376	4.969	ug/l	99
83) tert-Butylbenzene	13.005	119	40450	4.895	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	42059	4.769	ug/l	99
85) sec-Butylbenzene	13.182	105	57554	4.885	ug/l	99
86) p-Isopropyltoluene	13.298	119	47891	4.811	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	24928	4.981	ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	24992	5.083	ug/l	94
89) n-Butylbenzene	13.627	91	41497	4.726	ug/l	100
90) Hexachloroethane	13.889	117	9929	5.021	ug/l	95
91) 1,2-Dichlorobenzene	13.670	146	21618	4.985	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1121	4.301	ug/l	98
93) 1,2,4-Trichlorobenzene	14.932	180	11281	4.325	ug/l	97
94) Hexachlorobutadiene	15.035	225	9074	5.084	ug/l	99
95) Naphthalene	15.157	128	15707	3.755	ug/l	98
96) 1,2,3-Trichlorobenzene	15.340	180	9532	4.349	ug/l	99

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

