

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021298.D
 Acq On : 21 Feb 2025 20:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 28 06:39:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	127702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	200243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	179395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	92699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	70818	54.125	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.260%			
35) Dibromofluoromethane	7.646	113	68028	53.011	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.020%			
50) Toluene-d8	10.115	98	253697	51.928	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.860%			
62) 4-Bromofluorobenzene	12.413	95	86427	54.149	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	48896	42.960	ug/l	96
3) Chloromethane	2.074	50	66978	59.635	ug/l	96
4) Vinyl Chloride	2.208	62	69742	61.693	ug/l	98
5) Bromomethane	2.604	94	43960	62.917	ug/l	99
6) Chloroethane	2.744	64	45841	68.120	ug/l	97
7) Trichlorofluoromethane	3.067	101	105628	51.288	ug/l	100
8) Diethyl Ether	3.464	74	32573	50.663	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.823	101	63248	48.931	ug/l	97
10) Methyl Iodide	4.012	142	70971	49.422	ug/l	92
11) Tert butyl alcohol	4.872	59	20115	226.865	ug/l	95
12) 1,1-Dichloroethene	3.799	96	58353	47.924	ug/l	86
13) Acrolein	3.659	56	14964	109.599	ug/l	100
14) Allyl chloride	4.397	41	107582	52.425	ug/l	90
15) Acrylonitrile	5.067	53	72547	270.971	ug/l	97
16) Acetone	3.884	43	54339	266.311	ug/l	95
17) Carbon Disulfide	4.116	76	163127	42.725	ug/l	100
18) Methyl Acetate	4.397	43	42032	58.681	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	164986	53.609	ug/l	98
20) Methylene Chloride	4.628	84	66140	52.142	ug/l	90
21) trans-1,2-Dichloroethene	5.128	96	65263	48.693	ug/l	88
22) Diisopropyl ether	6.030	45	245873	58.129	ug/l	98
23) Vinyl Acetate	5.969	43	664260	281.710	ug/l	96
24) 1,1-Dichloroethane	5.927	63	136272	54.988	ug/l	98
25) 2-Butanone	6.902	43	94486	281.796	ug/l	96
26) 2,2-Dichloropropane	6.896	77	110775	48.309	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	81165	52.612	ug/l	91
28) Bromochloromethane	7.256	49	55091	56.218	ug/l	94
29) Tetrahydrofuran	7.274	42	62499	275.466	ug/l	93
30) Chloroform	7.426	83	140070	55.027	ug/l	100
31) Cyclohexane	7.707	56	104105	46.649	ug/l	94
32) 1,1,1-Trichloroethane	7.628	97	123595	52.224	ug/l	98
36) 1,1-Dichloropropene	7.841	75	94379	49.653	ug/l	98
37) Ethyl Acetate	6.994	43	44845	53.780	ug/l	98
38) Carbon Tetrachloride	7.829	117	110409	49.712	ug/l	99
39) Methylcyclohexane	9.115	83	110205	47.400	ug/l	94
40) Benzene	8.085	78	291377	52.236	ug/l	99

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41) Methacrylonitrile	7.225	41	26453	54.835	ug/l	96
42) 1,2-Dichloroethane	8.164	62	84380	54.531	ug/l	97
43) Isopropyl Acetate	8.207	43	92566	55.868	ug/l #	84
44) Trichloroethene	8.871	130	72094	50.025	ug/l	97
45) 1,2-Dichloropropane	9.146	63	72574	54.816	ug/l	96
46) Dibromomethane	9.237	93	38469	52.478	ug/l	98
47) Bromodichloromethane	9.432	83	107436	54.647	ug/l	96
48) Methyl methacrylate	9.225	41	42933	56.886	ug/l	87
49) 1,4-Dioxane	9.243	88	7570	1109.293	ug/l	93
51) 4-Methyl-2-Pentanone	10.005	43	240674	288.857	ug/l	95
52) Toluene	10.176	92	186882	53.357	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	94918	53.768	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	112011	53.589	ug/l #	88
55) 1,1,2-Trichloroethane	10.578	97	50770	53.484	ug/l	97
56) Ethyl methacrylate	10.444	69	69019	54.350	ug/l #	84
57) 1,3-Dichloropropane	10.725	76	89268	54.331	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	154985	256.535	ug/l	99
59) 2-Hexanone	10.767	43	159168	296.700	ug/l	92
60) Dibromochloromethane	10.914	129	70461	52.855	ug/l	99
61) 1,2-Dibromoethane	11.023	107	46137	51.889	ug/l	100
64) Tetrachloroethene	10.651	164	63533	47.707	ug/l	96
65) Chlorobenzene	11.444	112	200342	50.154	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.523	131	73344	51.667	ug/l	98
67) Ethyl Benzene	11.523	91	361813	51.210	ug/l	100
68) m/p-Xylenes	11.633	106	271905	102.873	ug/l	98
69) o-Xylene	11.962	106	128186	52.018	ug/l	96
70) Styrene	11.974	104	220140	53.599	ug/l	98
71) Bromoform	12.139	173	40285	50.984	ug/l #	99
73) Isopropylbenzene	12.261	105	346825	47.897	ug/l	99
74) N-amyl acetate	12.078	43	83623	52.822	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.511	83	57866	48.050	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	43218m	51.395	ug/l	
77) Bromobenzene	12.535	156	79189	47.390	ug/l	95
78) n-propylbenzene	12.602	91	421016	48.809	ug/l	99
79) 2-Chlorotoluene	12.688	91	238624	48.301	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	282926	48.192	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	18920	45.910	ug/l	92
82) 4-Chlorotoluene	12.785	91	245636	48.800	ug/l	99
83) tert-Butylbenzene	13.005	119	260345	48.787	ug/l	98
84) 1,2,4-Trimethylbenzene	13.047	105	284109	49.493	ug/l	99
85) sec-Butylbenzene	13.182	105	373628	48.640	ug/l	99
86) p-Isopropyltoluene	13.297	119	313085	49.066	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	158092	48.998	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	155677	49.004	ug/l	99
89) n-Butylbenzene	13.620	91	292709	50.284	ug/l	99
90) Hexachloroethane	13.889	117	65786	49.420	ug/l	87
91) 1,2-Dichlorobenzene	13.663	146	138923	49.608	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	8778	48.777	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	79651	51.098	ug/l	99
94) Hexachlorobutadiene	15.029	225	51673	50.024	ug/l	99
95) Naphthalene	15.151	128	135915	54.500	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	68173	52.553	ug/l	97

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

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