

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020973.D
 Acq On : 30 Jan 2025 08:51
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Jan 31 01:59:03 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

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	232436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	348704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	291051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	142699	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	8658	4.375	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	8.740%#
35) Dibromofluoromethane	7.646	113	8485	4.048	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	8.100%#
50) Toluene-d8	10.109	98	33041	4.038	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	8.080%#
62) 4-Bromofluorobenzene	12.414	95	10930	3.981	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	7.960%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.873	85	8494	4.298	ug/l	93
3) Chloromethane	2.074	50	6234	4.961	ug/l	92
4) Vinyl Chloride	2.214	62	5533	4.271	ug/l	92
5) Bromomethane	2.611	94	4330	4.937	ug/l	88
6) Chloroethane	2.745	64	3434	4.537	ug/l	99
7) Trichlorofluoromethane	3.074	101	14367	4.595	ug/l	93
8) Diethyl Ether	3.464	74	3658	3.919	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.824	101	9727	4.620	ug/l	97
10) Methyl Iodide	4.019	142	9808	4.071	ug/l	97
11) Tert butyl alcohol	4.860	59	4359	30.153	ug/l #	93
12) 1,1-Dichloroethene	3.799	96	8633	4.388	ug/l	84
13) Acrolein	3.665	56	3828	22.995	ug/l	90
14) Allyl chloride	4.397	41	12074	4.458	ug/l	98
15) Acrylonitrile	5.074	53	8335	21.710	ug/l	98
16) Acetone	3.885	43	6563	24.332	ug/l	95
17) Carbon Disulfide	4.116	76	26855	4.432	ug/l	99
18) Methyl Acetate	4.391	43	4008	4.247	ug/l #	73
19) Methyl tert-butyl Ether	5.122	73	18608	4.063	ug/l #	83
20) Methylene Chloride	4.622	84	9734	4.893	ug/l	89
21) trans-1,2-Dichloroethene	5.122	96	9181	4.352	ug/l	97
22) Diisopropyl ether	6.025	45	23340	4.227	ug/l #	83
23) Vinyl Acetate	5.976	43	62587	20.470	ug/l	98
24) 1,1-Dichloroethane	5.927	63	15939	4.475	ug/l	99
25) 2-Butanone	6.903	43	10147	22.175	ug/l	91
26) 2,2-Dichloropropane	6.890	77	16738	4.773	ug/l	94
27) cis-1,2-Dichloroethene	6.909	96	10538	4.346	ug/l	95
28) Bromochloromethane	7.256	49	5921	4.462	ug/l	99
29) Tetrahydrofuran	7.274	42	6428	20.876	ug/l	97
30) Chloroform	7.427	83	17170	4.451	ug/l	99
31) Cyclohexane	7.713	56	17677	5.077	ug/l #	76
32) 1,1,1-Trichloroethane	7.622	97	16435	4.402	ug/l	99
36) 1,1-Dichloropropene	7.848	75	13291	4.444	ug/l	97
37) Ethyl Acetate	7.000	43	4822	4.325	ug/l	98
38) Carbon Tetrachloride	7.829	117	15839	4.280	ug/l	94
39) Methylcyclohexane	9.116	83	16433	4.090	ug/l	93
40) Benzene	8.085	78	38230	4.344	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	3048m	4.941	ug/l	
42) 1,2-Dichloroethane	8.165	62	9578	4.292	ug/l	96
43) Isopropyl Acetate	8.201	43	8848	3.972	ug/l	98
44) Trichloroethene	8.872	130	10674	4.396	ug/l	92
45) 1,2-Dichloropropane	9.152	63	8206	4.161	ug/l	98
46) Dibromomethane	9.244	93	4945	4.308	ug/l	97
47) Bromodichloromethane	9.426	83	12297	4.080	ug/l	98
48) Methyl methacrylate	9.225	41	4059	3.828	ug/l	97
49) 1,4-Dioxane	9.238	88	956	78.382	ug/l	89
51) 4-Methyl-2-Pentanone	10.006	43	22548	19.700	ug/l	98
52) Toluene	10.176	92	22866	4.003	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	10474	3.840	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	13009	3.990	ug/l	95
55) 1,1,2-Trichloroethane	10.579	97	6295	4.124	ug/l	98
56) Ethyl methacrylate	10.445	69	6892	3.454	ug/l	98
57) 1,3-Dichloropropane	10.725	76	10378	4.011	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	15861	18.729	ug/l	100
59) 2-Hexanone	10.768	43	13082	17.584	ug/l	96
60) Dibromochloromethane	10.920	129	8951	4.113	ug/l	98
61) 1,2-Dibromoethane	11.024	107	6155	4.222	ug/l	93
64) Tetrachloroethene	10.652	164	9549	4.349	ug/l	92
65) Chlorobenzene	11.451	112	26117	4.259	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	9030	4.149	ug/l	97
67) Ethyl Benzene	11.524	91	42890	4.040	ug/l	100
68) m/p-Xylenes	11.633	106	32465	7.959	ug/l	99
69) o-Xylene	11.957	106	14817	3.907	ug/l	97
70) Styrene	11.975	104	23838	3.786	ug/l	98
71) Bromoform	12.139	173	5465	4.261	ug/l #	94
73) Isopropylbenzene	12.261	105	40470	4.038	ug/l	99
74) N-amyl acetate	12.078	43	6442	3.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	7047	4.356	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	4446m	3.849	ug/l	
77) Bromobenzene	12.536	156	9456	3.980	ug/l	95
78) n-propylbenzene	12.603	91	45683	3.889	ug/l	99
79) 2-Chlorotoluene	12.682	91	26759	3.999	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	32308	3.935	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	2030	3.730	ug/l	90
82) 4-Chlorotoluene	12.786	91	27919	4.076	ug/l	98
83) tert-Butylbenzene	13.005	119	29559	3.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	30144	3.758	ug/l	97
85) sec-Butylbenzene	13.182	105	42130	3.908	ug/l	100
86) p-Isopropyltoluene	13.298	119	33996	3.752	ug/l	97
87) 1,3-Dichlorobenzene	13.298	146	19789	4.271	ug/l	97
88) 1,4-Dichlorobenzene	13.377	146	20004	4.348	ug/l	94
89) n-Butylbenzene	13.627	91	30331	3.737	ug/l	99
90) Hexachloroethane	13.883	117	7524	4.105	ug/l	97
91) 1,2-Dichlorobenzene	13.664	146	16995	4.206	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1005	4.035	ug/l	98
93) 1,2,4-Trichlorobenzene	14.926	180	8616	3.483	ug/l	98
94) Hexachlorobutadiene	15.029	225	6603	3.854	ug/l	96
95) Naphthalene	15.151	128	11527	6.450	ug/l	97
96) 1,2,3-Trichlorobenzene	15.340	180	7042	7.179	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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