

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY022992.D
 Acq On : 18 Jul 2025 11:41
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:31:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:28:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	408920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	651408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	541736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	248244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96238	23.248	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.500%#		
35) Dibromofluoromethane	7.634	113	97474	23.589	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	47.180%#		
50) Toluene-d8	10.103	98	385999	23.556	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	47.120%#		
62) 4-Bromofluorobenzene	12.402	95	114873	22.270	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	44.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	83107	23.935	ug/l	95
3) Chloromethane	2.074	50	144975	24.556	ug/l	98
4) Vinyl Chloride	2.208	62	185061	24.741	ug/l	100
5) Bromomethane	2.592	94	129537	23.996	ug/l	98
6) Chloroethane	2.739	64	119604	23.942	ug/l	95
7) Trichlorofluoromethane	3.056	101	204047	23.500	ug/l	100
8) Diethyl Ether	3.452	74	51301	22.575	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	111028	24.342	ug/l	100
10) Methyl Iodide	4.007	142	113170	23.883	ug/l	98
11) Tert butyl alcohol	4.860	59	28061	111.476	ug/l	96
12) 1,1-Dichloroethene	3.793	96	102333	23.551	ug/l	99
13) Acrolein	3.653	56	19800	174.501	ug/l	100
14) Allyl chloride	4.385	41	153543	23.195	ug/l	97
15) Acrylonitrile	5.055	53	96516	112.128	ug/l	99
16) Acetone	3.873	43	88498	117.937	ug/l	97
17) Carbon Disulfide	4.104	76	320990	24.374	ug/l	100
18) Methyl Acetate	4.391	43	57450	22.614	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	237393	22.778	ug/l	97
20) Methylene Chloride	4.616	84	152623	24.700	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	115595	23.899	ug/l	98
22) Diisopropyl ether	6.019	45	325183	23.155	ug/l	99
23) Vinyl Acetate	5.958	43	808683	114.282	ug/l	100
24) 1,1-Dichloroethane	5.915	63	206224	23.379	ug/l	99
25) 2-Butanone	6.890	43	119127	110.662	ug/l	99
26) 2,2-Dichloropropane	6.884	77	181752	23.510	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	128882	23.120	ug/l	97
28) Bromochloromethane	7.244	49	79854	23.340	ug/l	98
29) Tetrahydrofuran	7.262	42	78302	114.888	ug/l	98
30) Chloroform	7.415	83	207172	23.282	ug/l	97
31) Cyclohexane	7.701	56	192200	23.319	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	190105	23.546	ug/l	99
36) 1,1-Dichloropropene	7.835	75	156287	24.012	ug/l	99
37) Ethyl Acetate	6.988	43	53987	22.333	ug/l	99
38) Carbon Tetrachloride	7.817	117	168861	23.880	ug/l	97
39) Methylcyclohexane	9.109	83	199123	23.636	ug/l	97
40) Benzene	8.079	78	462756	23.613	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	28815m	22.584	ug/l	
42) 1,2-Dichloroethane	8.158	62	113164	23.210	ug/l	98
43) Isopropyl Acetate	8.195	43	109734	22.853	ug/l #	86
44) Trichloroethene	8.866	130	117248	23.293	ug/l	96
45) 1,2-Dichloropropane	9.140	63	107925	23.583	ug/l	100
46) Dibromomethane	9.231	93	54583	23.074	ug/l	99
47) Bromodichloromethane	9.420	83	153091	23.413	ug/l	100
48) Methyl methacrylate	9.219	41	52108	22.478	ug/l	99
49) 1,4-Dioxane	9.231	88	10878	436.257	ug/l	95
51) 4-Methyl-2-Pentanone	9.993	43	276366	113.395	ug/l	98
52) Toluene	10.170	92	283471	23.265	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	128369	22.870	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	157554	23.288	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	71370	22.955	ug/l	95
56) Ethyl methacrylate	10.438	69	84006	21.644	ug/l	99
57) 1,3-Dichloropropane	10.713	76	124222	23.129	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.707	63	199993	105.265	ug/l	98
59) 2-Hexanone	10.762	43	176582	110.226	ug/l	100
60) Dibromochloromethane	10.908	129	93599	22.990	ug/l	99
61) 1,2-Dibromoethane	11.012	107	64601	22.880	ug/l	100
64) Tetrachloroethene	10.646	164	122138	22.057	ug/l	92
65) Chlorobenzene	11.438	112	293874	22.989	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	99114	22.732	ug/l	99
67) Ethyl Benzene	11.518	91	522955	23.080	ug/l	97
68) m/p-Xylenes	11.627	106	402055	46.261	ug/l	99
69) o-Xylene	11.950	106	186047	23.067	ug/l	98
70) Styrene	11.969	104	303236	22.952	ug/l	100
71) Bromoform	12.127	173	48429	21.879	ug/l #	100
73) Isopropylbenzene	12.255	105	497888	23.656	ug/l	100
74) N-amyl acetate	12.066	43	86729	21.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	74385	24.423	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	70821m	22.668	ug/l	
77) Bromobenzene	12.530	156	105553	23.124	ug/l	99
78) n-propylbenzene	12.591	91	596905	23.816	ug/l	99
79) 2-Chlorotoluene	12.676	91	331602	23.524	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	389641	23.473	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	23253	22.390	ug/l	97
82) 4-Chlorotoluene	12.773	91	330802	23.268	ug/l	99
83) tert-Butylbenzene	12.993	119	352211	23.490	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	382534	23.411	ug/l	99
85) sec-Butylbenzene	13.170	105	534996	23.809	ug/l	100
86) p-Isopropyltoluene	13.286	119	428741	23.494	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	210649	22.867	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	204733	22.973	ug/l	100
89) n-Butylbenzene	13.615	91	396249	23.531	ug/l	100
90) Hexachloroethane	13.877	117	88795	23.502	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	177792	22.880	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10028	22.174	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	93971	22.942	ug/l	98
94) Hexachlorobutadiene	15.017	225	62599	24.242	ug/l	98
95) Naphthalene	15.139	128	139330	21.209	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	75143	22.219	ug/l	100

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

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