

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023236.D
 Acq On : 29 Aug 2025 10:28
 Operator : SY/MD
 Sample : VY0829SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0829SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/03/2025
 Supervised By : Mahesh Dadoda 09/03/2025

Quant Time: Aug 30 01:18:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	459710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	723904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	635127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	321824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	202940	46.319	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.640%		
35) Dibromofluoromethane	7.634	113	215171	49.675	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.340%		
50) Toluene-d8	10.109	98	825047	48.756	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.520%		
62) 4-Bromofluorobenzene	12.402	95	261639	48.078	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	79401	21.160	ug/l	97
3) Chloromethane	2.074	50	121590	20.006	ug/l	100
4) Vinyl Chloride	2.208	62	155546	20.704	ug/l	100
5) Bromomethane	2.592	94	127126	22.657	ug/l	99
6) Chloroethane	2.733	64	104691	20.960	ug/l	98
7) Trichlorofluoromethane	3.056	101	190370	20.839	ug/l	100
8) Diethyl Ether	3.458	74	49598	20.521	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	97712	21.681	ug/l	97
10) Methyl Iodide	4.007	142	103954	21.375	ug/l	99
11) Tert butyl alcohol	4.860	59	27034	90.052	ug/l	99
12) 1,1-Dichloroethene	3.793	96	92531	20.888	ug/l	93
13) Acrolein	3.653	56	20421	46.448	ug/l	93
14) Allyl chloride	4.385	41	121320	18.612	ug/l	97
15) Acrylonitrile	5.067	53	95732	97.428	ug/l	99
16) Acetone	3.873	43	97957	103.200	ug/l	97
17) Carbon Disulfide	4.104	76	287716	19.919	ug/l	99
18) Methyl Acetate	4.385	43	52877	18.720	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	223332	19.455	ug/l	98
20) Methylene Chloride	4.616	84	109615	20.627	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	106163	21.325	ug/l	88
22) Diisopropyl ether	6.025	45	277358	19.581	ug/l	95
23) Vinyl Acetate	5.964	43	730814	93.308	ug/l	98
24) 1,1-Dichloroethane	5.921	63	180025	20.788	ug/l	100
25) 2-Butanone	6.896	43	126959	98.346	ug/l	95
26) 2,2-Dichloropropane	6.884	77	153591	20.554	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	119783	20.813	ug/l	97
28) Bromochloromethane	7.250	49	68325	19.886	ug/l	90
29) Tetrahydrofuran	7.262	42	73183	91.456	ug/l	98
30) Chloroform	7.421	83	191958	21.493	ug/l	94
31) Cyclohexane	7.701	56	153270	18.781	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	169441	21.381	ug/l	99
36) 1,1-Dichloropropene	7.841	75	132436	20.573	ug/l	99
37) Ethyl Acetate	6.994	43	50876	18.814	ug/l	96
38) Carbon Tetrachloride	7.817	117	151056	21.605	ug/l	99
39) Methylcyclohexane	9.109	83	167043	19.705	ug/l	98
40) Benzene	8.085	78	423120	21.326	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	27238m	17.453	ug/l	
42) 1,2-Dichloroethane	8.158	62	106050	20.551	ug/l	99
43) Isopropyl Acetate	8.201	43	100118	18.318	ug/l	98
44) Trichloroethene	8.866	130	118055	23.025	ug/l	98
45) 1,2-Dichloropropane	9.146	63	95387	20.894	ug/l	98
46) Dibromomethane	9.237	93	56996	21.752	ug/l	98
47) Bromodichloromethane	9.426	83	145599	21.595	ug/l	97
48) Methyl methacrylate	9.225	41	47032	17.983	ug/l	93
49) 1,4-Dioxane	9.225	88	11060	359.984	ug/l #	95
51) 4-Methyl-2-Pentanone	10.000	43	262060	92.953	ug/l	98
52) Toluene	10.170	92	274285	21.766	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	122450	20.056	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	148001	20.500	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	75592	21.560	ug/l	98
56) Ethyl methacrylate	10.438	69	84882	18.919	ug/l	96
57) 1,3-Dichloropropane	10.719	76	125571	21.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	192524	90.972	ug/l	96
59) 2-Hexanone	10.762	43	180855	94.208	ug/l	100
60) Dibromochloromethane	10.914	129	101316	21.899	ug/l	98
61) 1,2-Dibromoethane	11.018	107	69464	21.079	ug/l	99
64) Tetrachloroethene	10.646	164	144178	25.423	ug/l	96
65) Chlorobenzene	11.438	112	296062	21.611	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	104364	22.446	ug/l	99
67) Ethyl Benzene	11.518	91	483172	20.494	ug/l	99
68) m/p-Xylenes	11.627	106	389298	42.279	ug/l	97
69) o-Xylene	11.957	106	176470	20.463	ug/l	98
70) Styrene	11.969	104	298122	21.138	ug/l	97
71) Bromoform	12.133	173	59918	22.049	ug/l #	97
73) Isopropylbenzene	12.255	105	464302	20.441	ug/l	100
74) N-amyl acetate	12.066	43	83850	17.407	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	73329	18.907	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	58434m	18.814	ug/l	
77) Bromobenzene	12.530	156	117050	21.600	ug/l	93
78) n-propylbenzene	12.597	91	556705	20.586	ug/l	99
79) 2-Chlorotoluene	12.676	91	321870	20.774	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	380323	20.718	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	24912	19.416	ug/l	99
82) 4-Chlorotoluene	12.773	91	331313	20.613	ug/l	98
83) tert-Butylbenzene	12.993	119	339367	20.469	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	376583	20.608	ug/l	99
85) sec-Butylbenzene	13.176	105	507774	20.849	ug/l	100
86) p-Isopropyltoluene	13.292	119	418889	20.720	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	229854	21.510	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	228421	21.548	ug/l	99
89) n-Butylbenzene	13.615	91	368515	19.847	ug/l	99
90) Hexachloroethane	13.877	117	89030	21.513	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	203663	21.732	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12373	20.490	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	114291	20.622	ug/l	98
94) Hexachlorobutadiene	15.023	225	71318	21.899	ug/l	98
95) Naphthalene	15.145	128	180414	19.091	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	100318	21.006	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

