

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023588.D
 Acq On : 27 Oct 2025 10:39
 Operator : SY/MD
 Sample : VY1027SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1027SBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/28/2025
 Supervised By :Mahesh Dadoda 10/28/2025

Quant Time: Oct 28 04:37:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	484571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	706753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	619972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	325402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193100	47.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.300%		
35) Dibromofluoromethane	7.634	113	220579	50.793	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.580%		
50) Toluene-d8	10.109	98	819582	50.678	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.360%		
62) 4-Bromofluorobenzene	12.402	95	266662	49.943	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	73923	21.194	ug/l	98
3) Chloromethane	2.074	50	94310	19.849	ug/l	98
4) Vinyl Chloride	2.208	62	126987	20.519	ug/l	98
5) Bromomethane	2.592	94	112407	21.644	ug/l	96
6) Chloroethane	2.733	64	90066	21.350	ug/l	99
7) Trichlorofluoromethane	3.056	101	183391	21.342	ug/l	98
8) Diethyl Ether	3.458	74	46778	20.833	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	99618	22.341	ug/l	100
10) Methyl Iodide	4.007	142	106832	21.521	ug/l	99
11) Tert butyl alcohol	4.860	59	29585	98.142	ug/l #	91
12) 1,1-Dichloroethene	3.793	96	91956	21.274	ug/l	95
13) Acrolein	3.653	56	19614	46.047	ug/l	100
14) Allyl chloride	4.385	41	110880	21.048	ug/l	98
15) Acrylonitrile	5.061	53	87514	101.845	ug/l	100
16) Acetone	3.866	43	130974	135.771	ug/l	100
17) Carbon Disulfide	4.110	76	251206	20.305	ug/l	99
18) Methyl Acetate	4.385	43	48856	19.307	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	215745	20.767	ug/l	99
20) Methylene Chloride	4.622	84	109898	21.068	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	103236	21.693	ug/l	96
22) Diisopropyl ether	6.025	45	255265	21.907	ug/l	97
23) Vinyl Acetate	5.964	43	652418	103.440	ug/l	100
24) 1,1-Dichloroethane	5.915	63	170247	22.057	ug/l	97
25) 2-Butanone	6.896	43	139522	118.469	ug/l	97
26) 2,2-Dichloropropane	6.884	77	158961	22.444	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	123697	22.502	ug/l	96
28) Bromochloromethane	7.244	49	61569	21.367	ug/l	99
29) Tetrahydrofuran	7.268	42	64637	96.785	ug/l	100
30) Chloroform	7.421	83	193159	22.777	ug/l	98
31) Cyclohexane	7.701	56	137180	20.351	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	171904	22.306	ug/l	99
36) 1,1-Dichloropropene	7.835	75	127622	22.198	ug/l	99
37) Ethyl Acetate	6.988	43	48817	21.433	ug/l	97
38) Carbon Tetrachloride	7.817	117	156052	22.385	ug/l	99
39) Methylcyclohexane	9.109	83	158531	21.178	ug/l	98
40) Benzene	8.079	78	413668	22.720	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	24141	19.597	ug/l #	71
42) 1,2-Dichloroethane	8.158	62	102374	21.802	ug/l	100
43) Isopropyl Acetate	8.195	43	89935	19.802	ug/l	98
44) Trichloroethene	8.866	130	118439	22.225	ug/l	98
45) 1,2-Dichloropropane	9.140	63	90936	22.612	ug/l	99
46) Dibromomethane	9.231	93	55078	21.659	ug/l	98
47) Bromodichloromethane	9.426	83	143726	22.441	ug/l	99
48) Methyl methacrylate	9.219	41	42714	20.019	ug/l	98
49) 1,4-Dioxane	9.231	88	11995	406.835	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	241896	103.085	ug/l	98
52) Toluene	10.170	92	269255	22.776	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	118047	21.198	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	145757	22.177	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	77711	22.725	ug/l	97
56) Ethyl methacrylate	10.438	69	78113	19.803	ug/l	99
57) 1,3-Dichloropropane	10.719	76	120242	22.190	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	166565	94.260	ug/l	99
59) 2-Hexanone	10.762	43	189661	113.098	ug/l	99
60) Dibromochloromethane	10.914	129	105104	21.922	ug/l	98
61) 1,2-Dibromoethane	11.018	107	70658	21.666	ug/l	100
64) Tetrachloroethene	10.646	164	147698	23.073	ug/l	98
65) Chlorobenzene	11.444	112	304353	22.571	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	109178	22.721	ug/l	98
67) Ethyl Benzene	11.518	91	484581	22.201	ug/l	100
68) m/p-Xylenes	11.627	106	390520	44.607	ug/l	98
69) o-Xylene	11.956	106	179997	21.920	ug/l	99
70) Styrene	11.969	104	301330	22.315	ug/l	100
71) Bromoform	12.133	173	64644	21.688	ug/l	99
73) Isopropylbenzene	12.255	105	475826	22.189	ug/l	100
74) N-amyl acetate	12.072	43	74645	19.380	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	73229	20.879	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	54116m	18.850	ug/l	
77) Bromobenzene	12.530	156	123258	21.620	ug/l	100
78) n-propylbenzene	12.597	91	558261	22.496	ug/l	100
79) 2-Chlorotoluene	12.676	91	322587	22.199	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	388839	22.439	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	22707	19.395	ug/l	97
82) 4-Chlorotoluene	12.773	91	332694	22.230	ug/l	99
83) tert-Butylbenzene	12.999	119	356347	22.272	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	391778	22.654	ug/l	99
85) sec-Butylbenzene	13.176	105	519994	22.656	ug/l	100
86) p-Isopropyltoluene	13.292	119	435093	22.265	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	243437	21.928	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	240439	21.929	ug/l	98
89) n-Butylbenzene	13.615	91	373775	21.952	ug/l	99
90) Hexachloroethane	13.877	117	91694	21.816	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	213663	21.952	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11437	19.873	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	123920	20.422	ug/l	99
94) Hexachlorobutadiene	15.023	225	83375	22.043	ug/l	99
95) Naphthalene	15.145	128	178910	18.516	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	106184	20.203	ug/l	100

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

