

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
 Data File : VY023484.D
 Acq On : 16 Oct 2025 10:40
 Operator : SY/MD
 Sample : VY1016SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

Quant Time: Oct 17 01:52:35 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	7.713	168	502001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	735573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	641486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	331485	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	187444	44.653	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.300%
35) Dibromofluoromethane	7.640	113	215155	47.603	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.200%
50) Toluene-d8	10.109	98	810898	48.176	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.360%
62) 4-Bromofluorobenzene	12.408	95	252957	45.520	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.040%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	77746	21.516	ug/l	99
3) Chloromethane	2.074	50	100018	20.319	ug/l	98
4) Vinyl Chloride	2.208	62	135696	21.165	ug/l	98
5) Bromomethane	2.598	94	116473	21.648	ug/l	98
6) Chloroethane	2.739	64	93951	21.498	ug/l	100
7) Trichlorofluoromethane	3.062	101	181972	20.442	ug/l	98
8) Diethyl Ether	3.458	74	41950	18.034	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	99481	21.536	ug/l	99
10) Methyl Iodide	4.007	142	106817	20.771	ug/l	99
11) Tert butyl alcohol	4.854	59	22720	72.752	ug/l	98
12) 1,1-Dichloroethene	3.793	96	92958	20.759	ug/l	94
13) Acrolein	3.653	56	25844	58.566	ug/l	100
14) Allyl chloride	4.391	41	107636	19.723	ug/l	98
15) Acrylonitrile	5.061	53	77444	86.997	ug/l	98
16) Acetone	3.866	43	112086	112.157	ug/l	97
17) Carbon Disulfide	4.110	76	267278	20.854	ug/l	99
18) Methyl Acetate	4.391	43	40197	15.333	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	187070	17.382	ug/l	98
20) Methylene Chloride	4.622	84	103234	19.103	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	104092	21.113	ug/l	96
22) Diisopropyl ether	6.018	45	242013	20.048	ug/l	93
23) Vinyl Acetate	5.964	43	601879	92.114	ug/l	100
24) 1,1-Dichloroethane	5.921	63	167060	20.892	ug/l	97
25) 2-Butanone	6.896	43	115674	94.810	ug/l	98
26) 2,2-Dichloropropane	6.890	77	155717	21.223	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	117287	20.595	ug/l	98
28) Bromochloromethane	7.244	49	59319	19.871	ug/l	100
29) Tetrahydrofuran	7.262	42	53146	76.816	ug/l	99
30) Chloroform	7.427	83	184929	21.049	ug/l	98
31) Cyclohexane	7.707	56	137151	19.640	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	171883	21.529	ug/l	100
36) 1,1-Dichloropropene	7.841	75	128285	21.439	ug/l	100
37) Ethyl Acetate	6.988	43	41206	17.382	ug/l	98
38) Carbon Tetrachloride	7.817	117	159005	21.915	ug/l	99
39) Methylcyclohexane	9.109	83	154442	19.823	ug/l	98
40) Benzene	8.085	78	407643	21.512	ug/l	99

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41) Methacrylonitrile	7.226	41	20734	16.172	ug/l #	69
42) 1,2-Dichloroethane	8.158	62	97227	19.894	ug/l	99
43) Isopropyl Acetate	8.201	43	79148	16.744	ug/l	99
44) Trichloroethene	8.866	130	117518	21.188	ug/l	99
45) 1,2-Dichloropropane	9.146	63	88037	21.033	ug/l	98
46) Dibromomethane	9.231	93	52495	19.834	ug/l	98
47) Bromodichloromethane	9.426	83	141006	21.154	ug/l	98
48) Methyl methacrylate	9.225	41	36085	16.250	ug/l	95
49) 1,4-Dioxane	9.231	88	9582	312.260	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	198570	81.306	ug/l	99
52) Toluene	10.170	92	261803	21.278	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	112101	19.341	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	139132	20.339	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	70357	19.768	ug/l	98
56) Ethyl methacrylate	10.438	69	69658	16.967	ug/l	99
57) 1,3-Dichloropropane	10.719	76	110437	19.582	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	158166	86.000	ug/l	99
59) 2-Hexanone	10.762	43	158050	90.555	ug/l	98
60) Dibromochloromethane	10.914	129	100851	20.211	ug/l	99
61) 1,2-Dibromoethane	11.018	107	64651	19.047	ug/l	99
64) Tetrachloroethene	10.646	164	141537	21.369	ug/l	99
65) Chlorobenzene	11.444	112	293996	21.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	104738	21.066	ug/l	99
67) Ethyl Benzene	11.517	91	469868	20.805	ug/l	99
68) m/p-Xylenes	11.627	106	390697	43.131	ug/l	100
69) o-Xylene	11.956	106	174249	20.508	ug/l	100
70) Styrene	11.969	104	294821	21.101	ug/l	100
71) Bromoform	12.133	173	60086	19.483	ug/l #	97
73) Isopropylbenzene	12.255	105	456938	20.917	ug/l	99
74) N-amyl acetate	12.072	43	63447	16.170	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	66295	18.555	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	50031m	17.107	ug/l	
77) Bromobenzene	12.529	156	117334	20.204	ug/l	100
78) n-propylbenzene	12.597	91	544694	21.547	ug/l	100
79) 2-Chlorotoluene	12.676	91	312601	21.117	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	383296	21.713	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	21112	17.702	ug/l	99
82) 4-Chlorotoluene	12.779	91	328432	21.542	ug/l	100
83) tert-Butylbenzene	12.993	119	342195	20.995	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	377464	21.426	ug/l	100
85) sec-Butylbenzene	13.176	105	504426	21.575	ug/l	100
86) p-Isopropyltoluene	13.292	119	426494	21.425	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	237457	20.997	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	234494	20.994	ug/l	100
89) n-Butylbenzene	13.615	91	364346	21.005	ug/l	99
90) Hexachloroethane	13.877	117	93382	21.810	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	203490	20.523	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9999	17.056	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	113073	18.293	ug/l	98
94) Hexachlorobutadiene	15.023	225	81302	21.100	ug/l	99
95) Naphthalene	15.145	128	148689	15.106	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	95795	17.892	ug/l	99

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

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