

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022279.D
 Acq On : 16 May 2025 10:09
 Operator : SY/MD
 Sample : VY0516SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	205076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	351708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	300126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141210	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114577	51.121	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.240%	
35) Dibromofluoromethane	7.634	113	106659	50.809	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.620%	
50) Toluene-d8	10.109	98	437632	50.903	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.800%	
62) 4-Bromofluorobenzene	12.408	95	134691	49.426	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.860%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	45052	21.053	ug/l	96
3) Chloromethane	2.068	50	109640	24.357	ug/l	99
4) Vinyl Chloride	2.202	62	120955	24.051	ug/l	97
5) Bromomethane	2.592	94	108325	26.460	ug/l	96
6) Chloroethane	2.732	64	77272	24.698	ug/l	97
7) Trichlorofluoromethane	3.049	101	112994	22.191	ug/l	98
8) Diethyl Ether	3.452	74	24161	19.772	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	46362	20.973	ug/l	98
10) Methyl Iodide	4.000	142	47690	18.640	ug/l	99
11) Tert butyl alcohol	4.866	59	16251	94.950	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	45611	20.793	ug/l	96
13) Acrolein	3.653	56	22588	90.276	ug/l	98
14) Allyl chloride	4.385	41	76691	19.939	ug/l	97
15) Acrylonitrile	5.061	53	49210	97.735	ug/l	98
16) Acetone	3.879	43	35951	85.545	ug/l	98
17) Carbon Disulfide	4.104	76	148086	20.702	ug/l	98
18) Methyl Acetate	4.385	43	26179	19.757	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	122697	20.286	ug/l	98
20) Methylene Chloride	4.616	84	54277	19.987	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	49533	20.457	ug/l	97
22) Diisopropyl ether	6.018	45	160728	19.788	ug/l	99
23) Vinyl Acetate	5.957	43	464752	94.709	ug/l	99
24) 1,1-Dichloroethane	5.915	63	92075	20.290	ug/l	98
25) 2-Butanone	6.896	43	64354	91.546	ug/l	100
26) 2,2-Dichloropropane	6.884	77	80883	20.039	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	57480	20.572	ug/l	99
28) Bromochloromethane	7.250	49	38175	19.722	ug/l	98
29) Tetrahydrofuran	7.268	42	43168	95.450	ug/l	96
30) Chloroform	7.421	83	90925	20.889	ug/l	99
31) Cyclohexane	7.701	56	89576	19.756	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	82428	20.641	ug/l	98
36) 1,1-Dichloropropene	7.835	75	67416	19.498	ug/l	99
37) Ethyl Acetate	6.988	43	30289	18.206	ug/l	96
38) Carbon Tetrachloride	7.817	117	70982	19.833	ug/l	98
39) Methylcyclohexane	9.109	83	90967	19.583	ug/l	96
40) Benzene	8.079	78	206032	20.100	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	20703m	18.760	ug/l	
42) 1,2-Dichloroethane	8.158	62	55663	20.081	ug/l	99
43) Isopropyl Acetate	8.201	43	66577	18.350	ug/l	100
44) Trichloroethene	8.865	130	52001	20.403	ug/l	99
45) 1,2-Dichloropropane	9.140	63	48024	19.433	ug/l	95
46) Dibromomethane	9.231	93	26030	19.529	ug/l	96
47) Bromodichloromethane	9.426	83	69687	20.153	ug/l	99
48) Methyl methacrylate	9.225	41	31270	18.429	ug/l	99
49) 1,4-Dioxane	9.237	88	5450	361.945	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	161776	90.873	ug/l	98
52) Toluene	10.170	92	126577	19.501	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	63643	18.860	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	74469	19.261	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	33647	19.714	ug/l	96
56) Ethyl methacrylate	10.438	69	48650	18.299	ug/l	97
57) 1,3-Dichloropropane	10.719	76	58178	19.185	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	99985	83.786	ug/l	100
59) 2-Hexanone	10.761	43	106492	89.217	ug/l	99
60) Dibromochloromethane	10.914	129	43390	19.586	ug/l	98
61) 1,2-Dibromoethane	11.018	107	31515	19.811	ug/l	99
64) Tetrachloroethene	10.646	164	54813	19.759	ug/l	99
65) Chlorobenzene	11.444	112	133251	19.679	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	44554	19.140	ug/l	100
67) Ethyl Benzene	11.517	91	241283	19.027	ug/l	98
68) m/p-Xylenes	11.627	106	183701	38.444	ug/l	98
69) o-Xylene	11.956	106	87610	19.379	ug/l	96
70) Styrene	11.969	104	144454	18.942	ug/l	99
71) Bromoform	12.133	173	23136	18.414	ug/l #	99
73) Isopropylbenzene	12.255	105	226293	19.344	ug/l	100
74) N-amyl acetate	12.072	43	59704	17.844	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34300	19.065	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	27665m	19.338	ug/l	
77) Bromobenzene	12.529	156	47234	18.904	ug/l	97
78) n-propylbenzene	12.597	91	274165	19.430	ug/l	100
79) 2-Chlorotoluene	12.682	91	148305	19.125	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	178884	18.943	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11847	16.775	ug/l	93
82) 4-Chlorotoluene	12.779	91	148832	18.660	ug/l	98
83) tert-Butylbenzene	12.999	119	161923	19.292	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	179642	19.163	ug/l	99
85) sec-Butylbenzene	13.176	105	239464	19.219	ug/l	99
86) p-Isopropyltoluene	13.291	119	197757	18.872	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	93936	18.416	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	92740	18.902	ug/l	99
89) n-Butylbenzene	13.615	91	191322	19.299	ug/l	98
90) Hexachloroethane	13.877	117	40730	19.255	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	81717	19.073	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5507	18.982	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	47875	19.345	ug/l	96
94) Hexachlorobutadiene	15.023	225	26080	18.897	ug/l	98
95) Naphthalene	15.145	128	86461	18.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39190	18.667	ug/l	100

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

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