

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022455.D
 Acq On : 29 May 2025 09:27
 Operator : SY/MD
 Sample : VY0529SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0529SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:29:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	217849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	376540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	319754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	148991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	122757	53.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.000%			
35) Dibromofluoromethane	7.646	113	109319	49.575	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.140%			
50) Toluene-d8	10.115	98	446049	49.620	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.414	95	131041	48.192	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	46688	22.463	ug/l	98
3) Chloromethane	2.074	50	134444	26.297	ug/l	98
4) Vinyl Chloride	2.208	62	147122	23.688	ug/l	98
5) Bromomethane	2.598	94	157906	27.978	ug/l	96
6) Chloroethane	2.738	64	107679	26.532	ug/l	99
7) Trichlorofluoromethane	3.055	101	125536	23.956	ug/l	96
8) Diethyl Ether	3.464	74	27444	22.714	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	49269	21.431	ug/l	99
10) Methyl Iodide	4.019	142	50019	19.285	ug/l	99
11) Tert butyl alcohol	4.897	59	19308	119.376	ug/l	97
12) 1,1-Dichloroethene	3.799	96	48631	21.307	ug/l	96
13) Acrolein	3.665	56	24794	102.308	ug/l	99
14) Allyl chloride	4.391	41	75557	22.007	ug/l	99
15) Acrylonitrile	5.073	53	56731	116.484	ug/l	99
16) Acetone	3.885	43	42974	113.971	ug/l	94
17) Carbon Disulfide	4.116	76	152446	20.930	ug/l	99
18) Methyl Acetate	4.397	43	32296	22.865	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	135345	22.336	ug/l	97
20) Methylene Chloride	4.628	84	55665	20.906	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	52156	20.931	ug/l	95
22) Diisopropyl ether	6.031	45	165331	21.818	ug/l	98
23) Vinyl Acetate	5.976	43	484839	111.434	ug/l	98
24) 1,1-Dichloroethane	5.921	63	96506	21.553	ug/l	98
25) 2-Butanone	6.908	43	71529	113.906	ug/l	100
26) 2,2-Dichloropropane	6.890	77	83691	20.642	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	61114	21.186	ug/l	98
28) Bromochloromethane	7.256	49	41852	22.384	ug/l	99
29) Tetrahydrofuran	7.280	42	49922	119.201	ug/l	98
30) Chloroform	7.433	83	96292	21.825	ug/l	96
31) Cyclohexane	7.713	56	91969	20.837	ug/l #	91
32) 1,1,1-Trichloroethane	7.628	97	85584	21.373	ug/l	99
36) 1,1-Dichloropropene	7.847	75	71878	20.541	ug/l	99
37) Ethyl Acetate	7.000	43	34104	22.933	ug/l	99
38) Carbon Tetrachloride	7.823	117	73360	20.125	ug/l	97
39) Methylcyclohexane	9.115	83	94592	20.336	ug/l	94
40) Benzene	8.091	78	216938	20.835	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	19377	21.468	ug/l	88
42) 1,2-Dichloroethane	8.164	62	59459	21.622	ug/l	98
43) Isopropyl Acetate	8.207	43	72871	22.425	ug/l #	87
44) Trichloroethene	8.871	130	52748	20.493	ug/l	89
45) 1,2-Dichloropropane	9.146	63	51691	21.130	ug/l	94
46) Dibromomethane	9.243	93	28793	21.069	ug/l	99
47) Bromodichloromethane	9.432	83	73499	20.914	ug/l	95
48) Methyl methacrylate	9.231	41	34348	22.770	ug/l	99
49) 1,4-Dioxane	9.237	88	6938	459.638	ug/l	94
51) 4-Methyl-2-Pentanone	10.005	43	180359	112.489	ug/l	99
52) Toluene	10.176	92	130911	20.130	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	69246	21.154	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	79429	20.650	ug/l	96
55) 1,1,2-Trichloroethane	10.578	97	36436	21.088	ug/l	98
56) Ethyl methacrylate	10.444	69	52736	21.269	ug/l	98
57) 1,3-Dichloropropane	10.725	76	66794	21.937	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	124474	100.727	ug/l	98
59) 2-Hexanone	10.767	43	119129	113.375	ug/l	99
60) Dibromochloromethane	10.920	129	46556	21.093	ug/l	98
61) 1,2-Dibromoethane	11.024	107	33658	21.298	ug/l	98
64) Tetrachloroethene	10.652	164	56988	20.927	ug/l	96
65) Chlorobenzene	11.450	112	137324	20.141	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.523	131	45717	19.790	ug/l	98
67) Ethyl Benzene	11.523	91	248860	19.657	ug/l	97
68) m/p-Xylenes	11.633	106	186984	38.956	ug/l	97
69) o-Xylene	11.962	106	89547	19.850	ug/l	99
70) Styrene	11.975	104	150631	20.053	ug/l	100
71) Bromoform	12.139	173	25838	21.354	ug/l #	97
73) Isopropylbenzene	12.261	105	231788	19.767	ug/l	99
74) N-amyl acetate	12.078	43	62329	21.723	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	38907	21.059	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	30908m	20.710	ug/l	
77) Bromobenzene	12.535	156	50007	19.817	ug/l	97
78) n-propylbenzene	12.603	91	280089	19.904	ug/l	100
79) 2-Chlorotoluene	12.682	91	149938	19.683	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	183061	19.980	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	13668	20.711	ug/l	96
82) 4-Chlorotoluene	12.785	91	154200	19.655	ug/l	99
83) tert-Butylbenzene	13.005	119	166325	20.093	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	179206	19.437	ug/l	100
85) sec-Butylbenzene	13.182	105	247028	20.122	ug/l	99
86) p-Isopropyltoluene	13.297	119	201014	19.608	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	98707	19.441	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	95858	19.745	ug/l	96
89) n-Butylbenzene	13.621	91	193195	20.100	ug/l	100
90) Hexachloroethane	13.883	117	41291	20.240	ug/l	94
91) 1,2-Dichlorobenzene	13.663	146	86130	20.310	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6529	22.870	ug/l	88
93) 1,2,4-Trichlorobenzene	14.925	180	46466	19.764	ug/l	96
94) Hexachlorobutadiene	15.029	225	25447	20.624	ug/l	96
95) Naphthalene	15.151	128	90867	20.906	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	39732	20.606	ug/l	97

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

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