

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022023.D
 Acq On : 28 Apr 2025 11:40
 Operator : SY/MD
 Sample : VY0428SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0428SBS01

Quant Time: Apr 29 03:52:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	288803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	451635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	414911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	223411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132035	49.495	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.000%		
35) Dibromofluoromethane	7.634	113	151421	50.749	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.500%		
50) Toluene-d8	10.109	98	583457	51.869	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.740%		
62) 4-Bromofluorobenzene	12.408	95	191595	50.596	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48288	19.622	ug/l	99
3) Chloromethane	2.068	50	75116	21.437	ug/l	98
4) Vinyl Chloride	2.202	62	89232	20.723	ug/l	99
5) Bromomethane	2.592	94	81308	21.917	ug/l	97
6) Chloroethane	2.733	64	62580	21.340	ug/l	96
7) Trichlorofluoromethane	3.056	101	117839	20.753	ug/l	97
8) Diethyl Ether	3.452	74	27886	18.869	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	62329	20.236	ug/l	100
10) Methyl Iodide	4.001	142	70226	19.692	ug/l	98
11) Tert butyl alcohol	4.879	59	13583	92.748	ug/l	98
12) 1,1-Dichloroethene	3.787	96	58220	20.279	ug/l	98
13) Acrolein	3.659	56	20550	78.181	ug/l	99
14) Allyl chloride	4.385	41	65780	19.677	ug/l	99
15) Acrylonitrile	5.068	53	50909	94.096	ug/l	98
16) Acetone	3.879	43	35815	88.799	ug/l	97
17) Carbon Disulfide	4.104	76	185314	20.244	ug/l	99
18) Methyl Acetate	4.385	43	24470	19.637	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	120777	18.795	ug/l	98
20) Methylene Chloride	4.616	84	67212	19.926	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	65512	20.375	ug/l	97
22) Diisopropyl ether	6.019	45	152261	20.467	ug/l	100
23) Vinyl Acetate	5.964	43	380442	94.888	ug/l	98
24) 1,1-Dichloroethane	5.915	63	105916	20.539	ug/l	97
25) 2-Butanone	6.903	43	54333	89.353	ug/l	100
26) 2,2-Dichloropropane	6.884	77	95622	21.157	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	71531	19.896	ug/l	97
28) Bromochloromethane	7.250	49	40600	20.270	ug/l	97
29) Tetrahydrofuran	7.262	42	36015	91.193	ug/l	98
30) Chloroform	7.421	83	120103	20.997	ug/l	100
31) Cyclohexane	7.701	56	85140	19.307	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	106620	20.603	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79998	19.960	ug/l	99
37) Ethyl Acetate	6.982	43	27054	18.794	ug/l	97
38) Carbon Tetrachloride	7.817	117	100038	20.888	ug/l	99
39) Methylcyclohexane	9.110	83	96523	19.137	ug/l	99
40) Benzene	8.079	78	263141	21.003	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	14076	17.888	ug/l	96
42) 1,2-Dichloroethane	8.158	62	62844	20.260	ug/l	99
43) Isopropyl Acetate	8.195	43	51297	18.556	ug/l	98
44) Trichloroethene	8.866	130	72088	20.773	ug/l	98
45) 1,2-Dichloropropane	9.140	63	56336	20.333	ug/l	97
46) Dibromomethane	9.231	93	35005	20.183	ug/l	99
47) Bromodichloromethane	9.420	83	91024	21.008	ug/l	97
48) Methyl methacrylate	9.219	41	23485	18.377	ug/l	98
49) 1,4-Dioxane	9.238	88	6933	375.040	ug/l #	95
51) 4-Methyl-2-Pentanone	10.000	43	134511	92.823	ug/l	98
52) Toluene	10.170	92	171313	21.124	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	73313	19.727	ug/l	92
54) cis-1,3-Dichloropropene	9.859	75	89748	20.315	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	47358	20.441	ug/l	97
56) Ethyl methacrylate	10.439	69	47130	17.789	ug/l	98
57) 1,3-Dichloropropane	10.719	76	74512	20.062	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	117783	90.927	ug/l	100
59) 2-Hexanone	10.762	43	85959	89.933	ug/l	97
60) Dibromochloromethane	10.914	129	65617	20.457	ug/l	98
61) 1,2-Dibromoethane	11.018	107	43475	19.877	ug/l	100
64) Tetrachloroethene	10.646	164	82426	21.059	ug/l	98
65) Chlorobenzene	11.438	112	190217	20.501	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	67377	20.626	ug/l	99
67) Ethyl Benzene	11.518	91	304126	20.037	ug/l	99
68) m/p-Xylenes	11.627	106	248981	41.224	ug/l	99
69) o-Xylene	11.957	106	112465	20.203	ug/l	98
70) Styrene	11.969	104	188696	20.189	ug/l	100
71) Bromoform	12.133	173	38669	20.361	ug/l #	98
73) Isopropylbenzene	12.255	105	290455	19.459	ug/l	100
74) N-amyl acetate	12.072	43	43553	16.983	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	48206	19.156	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	35131m	18.358	ug/l	
77) Bromobenzene	12.536	156	75728	20.078	ug/l	99
78) n-propylbenzene	12.597	91	354794	19.960	ug/l	100
79) 2-Chlorotoluene	12.682	91	207565	20.079	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	245588	19.969	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14640	18.423	ug/l	97
82) 4-Chlorotoluene	12.780	91	221042	20.569	ug/l	100
83) tert-Butylbenzene	12.999	119	215151	19.506	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	245925	19.992	ug/l	99
85) sec-Butylbenzene	13.176	105	318603	19.740	ug/l	99
86) p-Isopropyltoluene	13.292	119	270778	19.757	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	154240	20.135	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	151928	20.025	ug/l	99
89) n-Butylbenzene	13.615	91	231179	18.871	ug/l	99
90) Hexachloroethane	13.877	117	60020	19.932	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	133112	19.923	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6676	16.675	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	69955	18.477	ug/l	99
94) Hexachlorobutadiene	15.023	225	46027	19.759	ug/l	96
95) Naphthalene	15.145	128	102709	16.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	60052	18.375	ug/l	99

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

