

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021937.D
 Acq On : 21 Apr 2025 10:18
 Operator : SY/MD
 Sample : VY0421SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0421SBS01

Quant Time: Apr 22 02:43:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	181890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	285604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	261318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	139221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	97707	49.579	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.160%			
35) Dibromofluoromethane	7.634	113	94026	50.752	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.500%			
50) Toluene-d8	10.109	98	359378	50.989	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.408	95	121385	50.917	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	32089	17.021	ug/l	100
3) Chloromethane	2.068	50	53856	20.316	ug/l	99
4) Vinyl Chloride	2.202	62	57232	19.090	ug/l	97
5) Bromomethane	2.592	94	42573	20.821	ug/l	94
6) Chloroethane	2.732	64	39704	20.239	ug/l	96
7) Trichlorofluoromethane	3.056	101	73716	19.195	ug/l	94
8) Diethyl Ether	3.458	74	20207	19.348	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	40604	20.046	ug/l	100
10) Methyl Iodide	4.001	142	41355	18.611	ug/l	99
11) Tert butyl alcohol	4.872	59	10927	85.365	ug/l	98
12) 1,1-Dichloroethene	3.793	96	36129	18.937	ug/l	94
13) Acrolein	3.659	56	7602	32.525	ug/l	99
14) Allyl chloride	4.378	41	58977	19.388	ug/l	99
15) Acrylonitrile	5.055	53	42096	96.535	ug/l	98
16) Acetone	3.872	43	39386	97.652	ug/l	97
17) Carbon Disulfide	4.104	76	112240	17.861	ug/l	100
18) Methyl Acetate	4.391	43	23033	23.042	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	90661	19.087	ug/l	98
20) Methylene Chloride	4.616	84	43795	19.859	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	41444	19.730	ug/l	95
22) Diisopropyl ether	6.018	45	128846	20.192	ug/l	97
23) Vinyl Acetate	5.964	43	342807	91.832	ug/l	98
24) 1,1-Dichloroethane	5.915	63	79102	20.731	ug/l	97
25) 2-Butanone	6.896	43	54665	94.891	ug/l	99
26) 2,2-Dichloropropane	6.884	77	68463	20.171	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	47806	20.237	ug/l	98
28) Bromochloromethane	7.250	49	32942	20.471	ug/l	95
29) Tetrahydrofuran	7.262	42	34200	92.243	ug/l	100
30) Chloroform	7.421	83	83864	21.132	ug/l	98
31) Cyclohexane	7.701	56	60387	17.362	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	73183	20.403	ug/l	98
36) 1,1-Dichloropropene	7.835	75	55584	19.697	ug/l	99
37) Ethyl Acetate	6.982	43	25920	19.463	ug/l	97
38) Carbon Tetrachloride	7.817	117	66663	20.626	ug/l	98
39) Methylcyclohexane	9.109	83	61273	18.176	ug/l	96
40) Benzene	8.079	78	174410	20.638	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	12249	17.319	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	48396	20.314	ug/l	99
43) Isopropyl Acetate	8.195	43	47771	18.928	ug/l	98
44) Trichloroethene	8.865	130	44932	20.867	ug/l	99
45) 1,2-Dichloropropane	9.140	63	41927	20.960	ug/l	97
46) Dibromomethane	9.231	93	24295	21.074	ug/l	98
47) Bromodichloromethane	9.426	83	62250	20.838	ug/l	96
48) Methyl methacrylate	9.219	41	21911	18.916	ug/l	99
49) 1,4-Dioxane	9.237	88	4785	387.445	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	126168	96.063	ug/l	99
52) Toluene	10.170	92	110928	21.039	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	51924	19.569	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	62926	20.103	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	30969	20.874	ug/l	97
56) Ethyl methacrylate	10.438	69	35107	18.532	ug/l	98
57) 1,3-Dichloropropane	10.719	76	54184	21.147	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	94588	102.352	ug/l	100
59) 2-Hexanone	10.761	43	83425	95.376	ug/l	98
60) Dibromochloromethane	10.908	129	43104	21.280	ug/l	99
61) 1,2-Dibromoethane	11.018	107	28530	20.500	ug/l	97
64) Tetrachloroethene	10.646	164	52393	22.014	ug/l	97
65) Chlorobenzene	11.444	112	121622	20.303	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	43997	20.701	ug/l	98
67) Ethyl Benzene	11.517	91	199354	19.408	ug/l	99
68) m/p-Xylenes	11.627	106	158426	40.277	ug/l	98
69) o-Xylene	11.956	106	71248	19.623	ug/l	100
70) Styrene	11.969	104	121466	20.064	ug/l	98
71) Bromoform	12.133	173	24986	20.610	ug/l #	96
73) Isopropylbenzene	12.255	105	188726	18.251	ug/l	99
74) N-amyl acetate	12.072	43	40174	16.554	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	33556	18.049	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	26178m	18.969	ug/l	
77) Bromobenzene	12.536	156	47710	19.217	ug/l	99
78) n-propylbenzene	12.597	91	234746	18.883	ug/l	100
79) 2-Chlorotoluene	12.682	91	137447	19.035	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	159505	18.874	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10350	17.281	ug/l	94
82) 4-Chlorotoluene	12.779	91	145134	19.280	ug/l	99
83) tert-Butylbenzene	12.999	119	138100	18.346	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	159792	19.130	ug/l	99
85) sec-Butylbenzene	13.176	105	209471	19.042	ug/l	100
86) p-Isopropyltoluene	13.292	119	173788	19.114	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	96878	19.806	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	96108	19.887	ug/l	99
89) n-Butylbenzene	13.621	91	155886	18.539	ug/l	99
90) Hexachloroethane	13.877	117	38765	19.456	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	82836	19.454	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5395	18.723	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	44941	19.462	ug/l	99
94) Hexachlorobutadiene	15.023	225	30399	21.079	ug/l	97
95) Naphthalene	15.145	128	68557	17.912	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	40069	20.349	ug/l	97

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

