

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
 Data File : VY021767.D
 Acq On : 03 Apr 2025 12:27
 Operator : SY/MD
 Sample : VY0403SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Manual Integrations
 APPROVED

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

Quant Time: Apr 04 01:30:28 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	206953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	330176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	290460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	151135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120577	53.774	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.540%			
35) Dibromofluoromethane	7.634	113	114450	53.436	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.880%			
50) Toluene-d8	10.109	98	434813	53.364	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.720%			
62) 4-Bromofluorobenzene	12.402	95	148144	53.752	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	41007	19.117	ug/l	99
3) Chloromethane	2.068	50	60425	20.034	ug/l	96
4) Vinyl Chloride	2.202	62	65669	19.252	ug/l	100
5) Bromomethane	2.592	94	45429	19.527	ug/l	94
6) Chloroethane	2.733	64	43379	19.435	ug/l	98
7) Trichlorofluoromethane	3.056	101	85274	19.515	ug/l	98
8) Diethyl Ether	3.452	74	22113	18.609	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	45645	19.806	ug/l	98
10) Methyl Iodide	4.007	142	47961	18.970	ug/l	100
11) Tert butyl alcohol	4.866	59	13147	90.269	ug/l	97
12) 1,1-Dichloroethene	3.787	96	41987	19.342	ug/l	98
13) Acrolein	3.647	56	17893	67.284	ug/l	100
14) Allyl chloride	4.379	41	67781	19.584	ug/l	100
15) Acrylonitrile	5.055	53	49009	98.778	ug/l	99
16) Acetone	3.867	43	44836	97.702	ug/l	96
17) Carbon Disulfide	4.104	76	135849	19.000	ug/l	100
18) Methyl Acetate	4.385	43	22620	19.888	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	104802	19.392	ug/l	98
20) Methylene Chloride	4.616	84	51868	20.843	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	47203	19.750	ug/l	97
22) Diisopropyl ether	6.019	45	148938	20.514	ug/l	97
23) Vinyl Acetate	5.964	43	414288	97.540	ug/l	100
24) 1,1-Dichloroethane	5.915	63	88747	20.442	ug/l	97
25) 2-Butanone	6.897	43	63939	97.548	ug/l	97
26) 2,2-Dichloropropane	6.884	77	76713	19.865	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	54046	20.108	ug/l	100
28) Bromochloromethane	7.244	49	37486	20.474	ug/l	97
29) Tetrahydrofuran	7.262	42	40503	96.014	ug/l	99
30) Chloroform	7.421	83	93552	20.718	ug/l	97
31) Cyclohexane	7.701	56	75496	19.077	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	82842	20.299	ug/l	100
36) 1,1-Dichloropropene	7.835	75	64217	19.685	ug/l	99
37) Ethyl Acetate	6.982	43	27542	17.889	ug/l	98
38) Carbon Tetrachloride	7.817	117	74148	19.845	ug/l	98
39) Methylcyclohexane	9.110	83	72295	18.551	ug/l	96
40) Benzene	8.079	78	197998	20.266	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	14845	18.156	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	53917	19.576	ug/l	100
43) Isopropyl Acetate	8.195	43	55558	19.042	ug/l	100
44) Trichloroethene	8.866	130	50812	20.413	ug/l	98
45) 1,2-Dichloropropane	9.140	63	45905	19.850	ug/l	97
46) Dibromomethane	9.231	93	26619	19.973	ug/l	97
47) Bromodichloromethane	9.420	83	69081	20.003	ug/l	100
48) Methyl methacrylate	9.219	41	25458	19.011	ug/l	99
49) 1,4-Dioxane	9.231	88	5837	408.824	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	144024	94.855	ug/l	99
52) Toluene	10.170	92	124006	20.344	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	59949	19.544	ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	71637	19.796	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	34016	19.833	ug/l	97
56) Ethyl methacrylate	10.439	69	40692	18.581	ug/l	99
57) 1,3-Dichloropropane	10.719	76	59895	20.220	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	100636	94.196	ug/l	100
59) 2-Hexanone	10.762	43	94957	93.905	ug/l	99
60) Dibromochloromethane	10.908	129	47584	20.320	ug/l	100
61) 1,2-Dibromoethane	11.012	107	31736	19.725	ug/l	98
64) Tetrachloroethene	10.646	164	55572	21.007	ug/l	98
65) Chlorobenzene	11.444	112	134375	20.182	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	47819	20.242	ug/l	99
67) Ethyl Benzene	11.518	91	224229	19.639	ug/l	99
68) m/p-Xylenes	11.627	106	175574	40.158	ug/l	100
69) o-Xylene	11.957	106	80349	19.909	ug/l	100
70) Styrene	11.969	104	135130	20.082	ug/l	100
71) Bromoform	12.133	173	26886	19.952	ug/l #	97
73) Isopropylbenzene	12.255	105	210404	18.744	ug/l	99
74) N-amyl acetate	12.072	43	46990	17.836	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	35894	17.785	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	28709m	19.163	ug/l	
77) Bromobenzene	12.530	156	51963	19.280	ug/l	99
78) n-propylbenzene	12.597	91	265097	19.643	ug/l	100
79) 2-Chlorotoluene	12.682	91	152039	19.397	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	178205	19.424	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11977	18.421	ug/l	99
82) 4-Chlorotoluene	12.780	91	159765	19.550	ug/l	98
83) tert-Butylbenzene	12.999	119	154476	18.904	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	177024	19.523	ug/l	100
85) sec-Butylbenzene	13.176	105	231107	19.352	ug/l	100
86) p-Isopropyltoluene	13.292	119	192480	19.501	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	105187	19.809	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	102985	19.630	ug/l	97
89) n-Butylbenzene	13.615	91	173191	18.974	ug/l	100
90) Hexachloroethane	13.883	117	41078	18.992	ug/l	97
91) 1,2-Dichlorobenzene	13.658	146	90950	19.676	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5733	18.328	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	49775	19.857	ug/l	97
94) Hexachlorobutadiene	15.023	225	31852	20.346	ug/l	96
95) Naphthalene	15.145	128	75684	18.215	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	40825	19.098	ug/l	98

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

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