

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
 Data File : VY021030.D
 Acq On : 03 Feb 2025 15:17
 Operator : SY/MD
 Sample : VY0203SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Quant Time: Feb 04 00:55:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
 Supervised By :Semsettin Yesilyurt 02/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	203811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	313701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	262239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	128240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	102274	48.977	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.960%		
35) Dibromofluoromethane	7.640	113	97150	48.324	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.640%		
50) Toluene-d8	10.109	98	384555	50.244	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.480%		
62) 4-Bromofluorobenzene	12.408	95	124160	49.655	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	35336	19.452	ug/l	98
3) Chloromethane	2.074	50	34075	19.010	ug/l	98
4) Vinyl Chloride	2.208	62	33649	18.650	ug/l	98
5) Bromomethane	2.592	94	21460	19.245	ug/l	100
6) Chloroethane	2.739	64	20314	18.914	ug/l	95
7) Trichlorofluoromethane	3.062	101	63427	19.296	ug/l	97
8) Diethyl Ether	3.458	74	19173	18.685	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	40722	19.740	ug/l	96
10) Methyl Iodide	4.013	142	40731	17.772	ug/l	93
11) Tert butyl alcohol	4.854	59	16277	115.025	ug/l	100
12) 1,1-Dichloroethene	3.793	96	38055	19.583	ug/l	88
13) Acrolein	3.653	56	20591	94.495	ug/l	98
14) Allyl chloride	4.391	41	62978	19.229	ug/l	96
15) Acrylonitrile	5.067	53	42298	98.991	ug/l	99
16) Acetone	3.872	43	31826	97.730	ug/l	94
17) Carbon Disulfide	4.110	76	115246	18.912	ug/l	100
18) Methyl Acetate	4.391	43	22107	19.338	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	96031	19.551	ug/l	98
20) Methylene Chloride	4.622	84	38991	19.260	ug/l	93
21) trans-1,2-Dichloroethene	5.122	96	40417	18.895	ug/l	93
22) Diisopropyl ether	6.024	45	132308	19.599	ug/l	97
23) Vinyl Acetate	5.964	43	364581	96.879	ug/l	98
24) 1,1-Dichloroethane	5.921	63	74128	18.742	ug/l	99
25) 2-Butanone	6.902	43	53128	99.280	ug/l	97
26) 2,2-Dichloropropane	6.890	77	71853	19.634	ug/l	96
27) cis-1,2-Dichloroethene	6.896	96	46845	19.026	ug/l	92
28) Bromochloromethane	7.244	49	28378	18.145	ug/l	99
29) Tetrahydrofuran	7.268	42	35907	99.162	ug/l	95
30) Chloroform	7.427	83	78127	19.231	ug/l	98
31) Cyclohexane	7.707	56	69517	19.518	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	73405	19.434	ug/l	99
36) 1,1-Dichloropropene	7.841	75	57574	19.335	ug/l	99
37) Ethyl Acetate	6.988	43	26043	19.936	ug/l	99
38) Carbon Tetrachloride	7.823	117	66761	19.188	ug/l	95
39) Methylcyclohexane	9.109	83	71757	19.701	ug/l	96
40) Benzene	8.085	78	169675	19.417	ug/l	100

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 Supervised By :Semsettin Yesilyurt 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	15779m	20.879	ug/l	
42) 1,2-Dichloroethane	8.158	62	46850	19.327	ug/l	98
43) Isopropyl Acetate	8.201	43	51003	19.649	ug/l	98
44) Trichloroethene	8.865	130	43665	19.340	ug/l	90
45) 1,2-Dichloropropane	9.146	63	40381	19.469	ug/l	99
46) Dibromomethane	9.231	93	21652	18.854	ug/l	96
47) Bromodichloromethane	9.426	83	58105	18.866	ug/l	96
48) Methyl methacrylate	9.225	41	23908	20.221	ug/l	95
49) 1,4-Dioxane	9.231	88	4802	449.174	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	130407	99.907	ug/l	97
52) Toluene	10.170	92	108618	19.795	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	53855	19.474	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	62722	19.155	ug/l	93
55) 1,1,2-Trichloroethane	10.572	97	28643	19.261	ug/l	97
56) Ethyl methacrylate	10.438	69	38293	19.248	ug/l	93
57) 1,3-Dichloropropane	10.719	76	49212	19.119	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	87401	92.345	ug/l	99
59) 2-Hexanone	10.761	43	83488	99.341	ug/l	96
60) Dibromochloromethane	10.914	129	40055	19.180	ug/l	96
61) 1,2-Dibromoethane	11.018	107	26497	19.022	ug/l	97
64) Tetrachloroethene	10.646	164	38789	19.925	ug/l	92
65) Chlorobenzene	11.444	112	114877	19.673	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	40654	19.591	ug/l	97
67) Ethyl Benzene	11.517	91	205913	19.937	ug/l	100
68) m/p-Xylenes	11.627	106	155455	40.235	ug/l	98
69) o-Xylene	11.956	106	71181	19.760	ug/l	96
70) Styrene	11.975	104	120377	20.050	ug/l	98
71) Bromoform	12.133	173	23075	19.978	ug/l #	98
73) Isopropylbenzene	12.255	105	195561	19.522	ug/l	99
74) N-amyl acetate	12.072	43	42327	19.327	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	31960	19.184	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	20496m	17.619	ug/l	
77) Bromobenzene	12.536	156	45033	19.481	ug/l	94
78) n-propylbenzene	12.596	91	236000	19.777	ug/l	99
79) 2-Chlorotoluene	12.682	91	131856	19.293	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	159660	19.658	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	10414	18.267	ug/l	92
82) 4-Chlorotoluene	12.779	91	134650	19.337	ug/l	100
83) tert-Butylbenzene	12.999	119	142840	19.349	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	157049	19.776	ug/l	100
85) sec-Butylbenzene	13.176	105	206803	19.461	ug/l	97
86) p-Isopropyltoluene	13.291	119	173840	19.693	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	86944	19.479	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	84756	19.285	ug/l	98
89) n-Butylbenzene	13.621	91	157518	19.560	ug/l	99
90) Hexachloroethane	13.883	117	35386	19.216	ug/l	86
91) 1,2-Dichlorobenzene	13.663	146	74806	19.309	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4709	18.915	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	40804	18.922	ug/l	98
94) Hexachlorobutadiene	15.029	225	27082	18.952	ug/l	98
95) Naphthalene	15.151	128	64732	18.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	34588	19.274	ug/l	99

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

