

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021283.D
 Acq On : 21 Feb 2025 14:14
 Operator : SY/MD
 Sample : VY0221SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS02

Quant Time: Feb 21 23:07:25 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 :Romaben Patel 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	137888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	217782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	186058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	96893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	73580	52.082	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.160%			
35) Dibromofluoromethane	7.646	113	69816	50.022	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.040%			
50) Toluene-d8	10.115	98	260611	49.047	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.100%			
62) 4-Bromofluorobenzene	12.414	95	88816	51.164	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	30365	24.708	ug/l	97
3) Chloromethane	2.074	50	33368	27.515	ug/l	98
4) Vinyl Chloride	2.208	62	33392	27.356	ug/l	96
5) Bromomethane	2.598	94	19686	26.094	ug/l	95
6) Chloroethane	2.739	64	19801	27.251	ug/l	90
7) Trichlorofluoromethane	3.068	101	49364	22.198	ug/l	96
8) Diethyl Ether	3.458	74	13825	19.915	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.824	101	30071	21.546	ug/l	97
10) Methyl Iodide	4.013	142	29760	19.193	ug/l	93
11) Tert butyl alcohol	4.878	59	9147	95.543	ug/l #	91
12) 1,1-Dichloroethene	3.799	96	27182	20.675	ug/l	89
13) Acrolein	3.665	56	11470	77.803	ug/l	97
14) Allyl chloride	4.391	41	47204	21.303	ug/l	92
15) Acrylonitrile	5.067	53	29492	102.019	ug/l	99
16) Acetone	3.879	43	26356	119.627	ug/l	93
17) Carbon Disulfide	4.116	76	89930	21.814	ug/l	99
18) Methyl Acetate	4.391	43	15728	20.336	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	66902	20.133	ug/l	97
20) Methylene Chloride	4.622	84	30889	22.553	ug/l	88
21) trans-1,2-Dichloroethene	5.128	96	30090	20.792	ug/l	88
22) Diisopropyl ether	6.031	45	101293	22.178	ug/l	96
23) Vinyl Acetate	5.970	43	271276	106.548	ug/l	97
24) 1,1-Dichloroethane	5.927	63	57603	21.527	ug/l	97
25) 2-Butanone	6.903	43	38895	107.432	ug/l	98
26) 2,2-Dichloropropane	6.896	77	51432	20.773	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	35010	21.017	ug/l	93
28) Bromochloromethane	7.256	49	21490	20.310	ug/l	94
29) Tetrahydrofuran	7.274	42	25385	103.620	ug/l	91
30) Chloroform	7.427	83	58467	21.272	ug/l	99
31) Cyclohexane	7.713	56	51482	21.365	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	53287	20.853	ug/l	99
36) 1,1-Dichloropropene	7.847	75	42751	20.680	ug/l	99
37) Ethyl Acetate	6.994	43	18546	20.450	ug/l	97
38) Carbon Tetrachloride	7.829	117	48659	20.144	ug/l	98
39) Methylcyclohexane	9.116	83	52003	20.566	ug/l	98
40) Benzene	8.085	78	127793	21.065	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	8202	15.633	ug/l #	82
42) 1,2-Dichloroethane	8.165	62	34743	20.645	ug/l	97
43) Isopropyl Acetate	8.201	43	36383	20.190	ug/l #	85
44) Trichloroethene	8.872	130	30759	19.624	ug/l	99
45) 1,2-Dichloropropane	9.146	63	29769	20.674	ug/l	90
46) Dibromomethane	9.244	93	16160	20.269	ug/l	97
47) Bromodichloromethane	9.433	83	43647	20.413	ug/l	94
48) Methyl methacrylate	9.231	41	16750	20.406	ug/l	88
49) 1,4-Dioxane	9.237	88	2866	386.155	ug/l #	88
51) 4-Methyl-2-Pentanone	10.006	43	91778	101.281	ug/l	94
52) Toluene	10.176	92	79030	20.747	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	37751	19.663	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	45565	20.044	ug/l #	89
55) 1,1,2-Trichloroethane	10.579	97	20239	19.604	ug/l	95
56) Ethyl methacrylate	10.445	69	25245	18.279	ug/l #	87
57) 1,3-Dichloropropane	10.725	76	35601	19.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	54205	82.496	ug/l	98
59) 2-Hexanone	10.768	43	59185	101.440	ug/l	93
60) Dibromochloromethane	10.920	129	27752	19.141	ug/l	100
61) 1,2-Dibromoethane	11.018	107	18444	19.073	ug/l	97
64) Tetrachloroethene	10.652	164	28312	20.498	ug/l	94
65) Chlorobenzene	11.450	112	82795	19.985	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	28741	19.522	ug/l	98
67) Ethyl Benzene	11.524	91	147318	20.104	ug/l	100
68) m/p-Xylenes	11.633	106	110072	40.153	ug/l	97
69) o-Xylene	11.963	106	50842	19.893	ug/l	97
70) Styrene	11.975	104	85844	20.153	ug/l	98
71) Bromoform	12.139	173	15453	18.857	ug/l #	97
73) Isopropylbenzene	12.261	105	137963	18.228	ug/l	100
74) N-amyl acetate	12.078	43	30227	18.267	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	22792	18.107	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	16692m	18.991	ug/l	
77) Bromobenzene	12.536	156	31632	18.111	ug/l	94
78) n-propylbenzene	12.603	91	170503	18.911	ug/l	100
79) 2-Chlorotoluene	12.688	91	93980	18.199	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	115502	18.822	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	7203	16.722	ug/l	90
82) 4-Chlorotoluene	12.786	91	101045	19.205	ug/l	98
83) tert-Butylbenzene	13.005	119	100673	18.049	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	111905	18.651	ug/l	99
85) sec-Butylbenzene	13.182	105	150407	18.733	ug/l	99
86) p-Isopropyltoluene	13.298	119	124229	18.626	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	61929	18.363	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	61861	18.630	ug/l	99
89) n-Butylbenzene	13.627	91	114476	18.814	ug/l	99
90) Hexachloroethane	13.889	117	26155	18.798	ug/l	91
91) 1,2-Dichlorobenzene	13.664	146	54557	18.639	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3286	17.469	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	29058	17.835	ug/l	98
94) Hexachlorobutadiene	15.029	225	20632	19.109	ug/l	99
95) Naphthalene	15.151	128	44435	17.047	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	24411	18.003	ug/l	96

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

