

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021741.D
 Acq On : 01 Apr 2025 15:05
 Operator : SY/MD
 Sample : Q1664-03MSD
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-001-01MSD

Quant Time: Apr 02 03:23:56 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 :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	194285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	349081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	308067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	151305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112639	53.510	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.020%			
35) Dibromofluoromethane	7.634	113	109405	48.315	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.620%			
50) Toluene-d8	10.103	98	406751	47.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.440%			
62) 4-Bromofluorobenzene	12.402	95	137827	47.301	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	116035	57.622	ug/l	99
3) Chloromethane	2.068	50	156933	55.423	ug/l	98
4) Vinyl Chloride	2.202	62	181195	56.584	ug/l	97
5) Bromomethane	2.592	94	116364	53.279	ug/l	96
6) Chloroethane	2.733	64	114828	54.800	ug/l	98
7) Trichlorofluoromethane	3.056	101	233321	56.878	ug/l	96
8) Diethyl Ether	3.452	74	60435	54.175	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	124341	57.471	ug/l	99
10) Methyl Iodide	4.001	142	144734	60.978	ug/l	100
11) Tert butyl alcohol	4.854	59	35480	259.496	ug/l #	82
12) 1,1-Dichloroethene	3.787	96	118345	58.073	ug/l	96
13) Acrolein	3.647	56	4482	17.953	ug/l	95
14) Allyl chloride	4.385	41	174782	53.792	ug/l	100
15) Acrylonitrile	5.055	53	120818	259.386	ug/l	100
16) Acetone	3.860	43	134290	311.711	ug/l	96
17) Carbon Disulfide	4.104	76	383214	57.093	ug/l	99
18) Methyl Acetate	4.379	43	199199	186.563	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	281598	55.503	ug/l	99
20) Methylene Chloride	4.610	84	147141	71.458	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	132020	58.839	ug/l	97
22) Diisopropyl ether	6.019	45	373043	54.731	ug/l	94
23) Vinyl Acetate	5.958	43	78374	19.656	ug/l	100
24) 1,1-Dichloroethane	5.915	63	236951	58.139	ug/l	99
25) 2-Butanone	6.890	43	170572	277.201	ug/l	100
26) 2,2-Dichloropropane	6.884	77	196673	54.249	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	148167	58.720	ug/l	98
28) Bromochloromethane	7.244	49	92982	54.096	ug/l	99
29) Tetrahydrofuran	7.262	42	104216	263.155	ug/l	98
30) Chloroform	7.415	83	247410	58.364	ug/l	99
31) Cyclohexane	7.701	56	207124	55.750	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	222652	58.114	ug/l	99
36) 1,1-Dichloropropene	7.835	75	177196	51.375	ug/l	99
37) Ethyl Acetate	6.982	43	31137	19.129	ug/l #	80
38) Carbon Tetrachloride	7.817	117	203864	51.606	ug/l	99
39) Methylcyclohexane	9.110	83	212447	51.561	ug/l	98
40) Benzene	8.079	78	521100	50.449	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	37903m	43.846	ug/l	
42) 1,2-Dichloroethane	8.152	62	143535	49.292	ug/l	100
43) Isopropyl Acetate	8.195	43	86642	28.087	ug/l	98
44) Trichloroethene	8.866	130	137034	52.069	ug/l	99
45) 1,2-Dichloropropane	9.140	63	125368	51.276	ug/l	99
46) Dibromomethane	9.231	93	70046	49.710	ug/l	98
47) Bromodichloromethane	9.420	83	186422	51.058	ug/l	98
48) Methyl methacrylate	9.219	41	87268	61.640	ug/l	97
49) 1,4-Dioxane	9.225	88	14439	956.541	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	376542	234.563	ug/l	100
52) Toluene	10.170	92	332355	51.572	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	163499	50.414	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	193616	50.606	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	90185	49.734	ug/l	98
56) Ethyl methacrylate	10.439	69	73999	31.959	ug/l	96
57) 1,3-Dichloropropane	10.713	76	158074	50.475	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	287965	254.940	ug/l	99
59) 2-Hexanone	10.762	43	239228	223.766	ug/l	100
60) Dibromochloromethane	10.908	129	126183	50.967	ug/l	99
61) 1,2-Dibromoethane	11.012	107	85276	50.131	ug/l	99
64) Tetrachloroethene	10.646	164	175448	62.531	ug/l	98
65) Chlorobenzene	11.438	112	356866	50.534	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	129041	51.502	ug/l	99
67) Ethyl Benzene	11.518	91	631608	52.157	ug/l	100
68) m/p-Xylenes	11.627	106	482187	103.984	ug/l	99
69) o-Xylene	11.950	106	225429	52.665	ug/l	99
70) Styrene	11.969	104	379194	53.132	ug/l	99
71) Bromoform	12.133	173	71608	50.103	ug/l #	99
73) Isopropylbenzene	12.255	105	580448	51.650	ug/l	100
74) N-amyl acetate	12.066	43	11036	4.184	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	92979	46.018	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	69309m	46.211	ug/l	
77) Bromobenzene	12.530	156	140081	51.916	ug/l	97
78) n-propylbenzene	12.591	91	700397	51.840	ug/l	99
79) 2-Chlorotoluene	12.676	91	404344	51.527	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	472320	51.425	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	30305	46.557	ug/l	98
82) 4-Chlorotoluene	12.773	91	416429	50.901	ug/l	100
83) tert-Butylbenzene	12.999	119	411026	50.243	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	464906	51.214	ug/l	99
85) sec-Butylbenzene	13.176	105	587776	49.164	ug/l	100
86) p-Isopropyltoluene	13.292	119	481125	48.691	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	263656	49.596	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	257857	49.095	ug/l	99
89) n-Butylbenzene	13.615	91	400506	43.827	ug/l	100
90) Hexachloroethane	13.877	117	100941	46.617	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	229212	49.531	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14469	46.204	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	106551	42.458	ug/l	98
94) Hexachlorobutadiene	15.023	225	46570	29.714	ug/l	98
95) Naphthalene	15.145	128	182405	43.851	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	90048	42.078	ug/l	100

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

