

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019834.D
 Acq On : 09 Oct 2024 15:25
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY100924

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:34:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	430698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	723884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	604297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	285838	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	233998	44.124	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.240%
35) Dibromofluoromethane	7.634	113	228064	47.744	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.480%
50) Toluene-d8	10.103	98	855648	48.506	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.020%
62) 4-Bromofluorobenzene	12.401	95	297494	46.674	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	93.340%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	211482	52.746	ug/l	100
3) Chloromethane	2.074	50	267731	51.305	ug/l	98
4) Vinyl Chloride	2.208	62	302525	52.682	ug/l	99
5) Bromomethane	2.598	94	188629	51.896	ug/l	99
6) Chloroethane	2.738	64	194374	50.385	ug/l	92
7) Trichlorofluoromethane	3.062	101	443589	51.914	ug/l	99
8) Diethyl Ether	3.458	74	129997	50.058	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	257043	51.717	ug/l	100
10) Methyl Iodide	4.007	142	265733	52.864	ug/l	98
11) Tert butyl alcohol	4.866	59	97246	224.555	ug/l	100
12) 1,1-Dichloroethene	3.793	96	241587	52.286	ug/l	97
13) Acrolein	3.653	56	96920	248.720	ug/l	99
14) Allyl chloride	4.391	41	428800	51.434	ug/l	99
15) Acrylonitrile	5.067	53	282187	237.568	ug/l	100
16) Acetone	3.872	43	324300	234.915	ug/l	99
17) Carbon Disulfide	4.110	76	676399	54.615	ug/l	99
18) Methyl Acetate	4.385	43	140374	47.203	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	649655	48.940	ug/l	96
20) Methylene Chloride	4.622	84	260836	46.817	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	259294	51.561	ug/l	96
22) Diisopropyl ether	6.018	45	902486	49.699	ug/l	98
23) Vinyl Acetate	5.964	43	2572778	247.138	ug/l	99
24) 1,1-Dichloroethane	5.915	63	509324	50.457	ug/l	99
25) 2-Butanone	6.896	43	425540	230.290	ug/l	99
26) 2,2-Dichloropropane	6.884	77	463783	51.590	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	314625	50.626	ug/l	99
28) Bromochloromethane	7.244	49	205401	46.231	ug/l	99
29) Tetrahydrofuran	7.262	42	245375	232.566	ug/l	99
30) Chloroform	7.421	83	518647	50.403	ug/l	97
31) Cyclohexane	7.701	56	438371	49.472	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	466878	51.773	ug/l	100
36) 1,1-Dichloropropene	7.835	75	373449	54.265	ug/l	99
37) Ethyl Acetate	6.988	43	176947	49.310	ug/l	100
38) Carbon Tetrachloride	7.817	117	405617	54.980	ug/l	96
39) Methylcyclohexane	9.109	83	466748	53.828	ug/l	99
40) Benzene	8.079	78	1094650	52.558	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	90045	46.363	ug/l #	86
42) 1,2-Dichloroethane	8.158	62	303059	50.649	ug/l	99
43) Isopropyl Acetate	8.195	43	360757	49.295	ug/l	100
44) Trichloroethene	8.865	130	268143	53.156	ug/l	98
45) 1,2-Dichloropropane	9.140	63	266447	51.112	ug/l	99
46) Dibromomethane	9.231	93	142048	49.874	ug/l	100
47) Bromodichloromethane	9.420	83	389060	51.464	ug/l	99
48) Methyl methacrylate	9.219	41	168043	52.201	ug/l	97
49) 1,4-Dioxane	9.231	88	29492	925.169	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	913222	244.646	ug/l	100
52) Toluene	10.170	92	688634	52.969	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	350338	51.505	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	414888	51.692	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	188507	50.235	ug/l	98
56) Ethyl methacrylate	10.438	69	277264	51.494	ug/l	99
57) 1,3-Dichloropropane	10.719	76	327837	49.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	593052	236.595	ug/l	99
59) 2-Hexanone	10.755	43	658677	247.056	ug/l	99
60) Dibromochloromethane	10.908	129	242202	50.287	ug/l	99
61) 1,2-Dibromoethane	11.011	107	165931	48.934	ug/l	99
64) Tetrachloroethene	10.646	164	224993	52.345	ug/l	99
65) Chlorobenzene	11.438	112	731619	52.932	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	246451	52.701	ug/l	99
67) Ethyl Benzene	11.517	91	1358983	54.126	ug/l	99
68) m/p-Xylenes	11.627	106	998713	107.703	ug/l	100
69) o-Xylene	11.950	106	475544	53.376	ug/l	100
70) Styrene	11.969	104	798999	53.155	ug/l	100
71) Bromoform	12.133	173	129999	51.929	ug/l #	99
73) Isopropylbenzene	12.255	105	1291391	53.712	ug/l	100
74) N-amyl acetate	12.066	43	333199	52.325	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	213934	50.077	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	147134m	49.434	ug/l	
77) Bromobenzene	12.529	156	266033	52.143	ug/l	99
78) n-propylbenzene	12.590	91	1580208	54.394	ug/l	100
79) 2-Chlorotoluene	12.676	91	884605	53.113	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1042089	53.670	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	72989	52.613	ug/l	97
82) 4-Chlorotoluene	12.773	91	904186	53.095	ug/l	99
83) tert-Butylbenzene	12.993	119	928800	53.397	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	1023548	53.170	ug/l	100
85) sec-Butylbenzene	13.176	105	1396101	53.720	ug/l	100
86) p-Isopropyltoluene	13.285	119	1126019	53.357	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	533804	51.809	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	518316	51.207	ug/l	100
89) n-Butylbenzene	13.615	91	1122433	54.470	ug/l	100
90) Hexachloroethane	13.877	117	224415	54.612	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	465022	51.366	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	33414	49.008	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	269549	53.099	ug/l	99
94) Hexachlorobutadiene	15.023	225	148493	52.615	ug/l	100
95) Naphthalene	15.139	128	506717	52.925	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	224718	52.368	ug/l	99

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

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