

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092624\
 Data File : VY019704.D
 Acq On : 26 Sep 2024 11:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/27/2024
 Supervised By :Semsettin Yesilyurt 09/27/2024

Quant Time: Sep 27 01:58:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	354737	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	597433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	504740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	237537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	191704	58.361	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.720%			
35) Dibromofluoromethane	7.634	113	198217	58.517	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.040%			
50) Toluene-d8	10.109	98	718349	57.335	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.680%			
62) 4-Bromofluorobenzene	12.408	95	258780	53.717	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 107.440%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	83453	42.421	ug/l	99
3) Chloromethane	2.074	50	127322	43.381	ug/l	99
4) Vinyl Chloride	2.208	62	161713	50.955	ug/l	100
5) Bromomethane	2.598	94	116305	59.662	ug/l	97
6) Chloroethane	2.733	64	117001	56.395	ug/l	97
7) Trichlorofluoromethane	3.062	101	281927	53.292	ug/l	95
8) Diethyl Ether	3.452	74	87477	49.261	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.812	101	169029	51.650	ug/l	97
10) Methyl Iodide	4.001	142	190593	45.424	ug/l	93
11) Tert butyl alcohol	4.854	59	64559	243.368	ug/l	# 80
12) 1,1-Dichloroethene	3.787	96	157834	50.149	ug/l	88
13) Acrolein	3.653	56	19300	145.117	ug/l	98
14) Allyl chloride	4.379	41	268272	47.532	ug/l	# 94
15) Acrylonitrile	5.055	53	189093	246.957	ug/l	98
16) Acetone	3.867	43	204266	261.025	ug/l	87
17) Carbon Disulfide	4.104	76	389673	45.825	ug/l	97
18) Methyl Acetate	4.385	43	94912	44.692	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	448008	50.260	ug/l	100
20) Methylene Chloride	4.610	84	178304	49.962	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	176356	51.122	ug/l	93
22) Diisopropyl ether	6.013	45	583365	50.333	ug/l	92
23) Vinyl Acetate	5.952	43	1645935	248.624	ug/l	95
24) 1,1-Dichloroethane	5.909	63	336653	51.763	ug/l	98
25) 2-Butanone	6.890	43	271057	243.540	ug/l	90
26) 2,2-Dichloropropane	6.884	77	315354	53.754	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	221408	52.836	ug/l	90
28) Bromochloromethane	7.244	49	159464	58.274	ug/l	86
29) Tetrahydrofuran	7.256	42	155439	229.697	ug/l	88
30) Chloroform	7.415	83	361501	54.449	ug/l	100
31) Cyclohexane	7.695	56	268881	45.738	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	320114	53.792	ug/l	97
36) 1,1-Dichloropropene	7.835	75	242268	52.562	ug/l	98
37) Ethyl Acetate	6.982	43	112782	47.756	ug/l	96
38) Carbon Tetrachloride	7.817	117	277226	53.336	ug/l	98
39) Methylcyclohexane	9.110	83	305296	49.772	ug/l	94
40) Benzene	8.079	78	741896	52.259	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	66134	48.040	ug/l	87
42) 1,2-Dichloroethane	8.158	62	207784	54.392	ug/l	96
43) Isopropyl Acetate	8.195	43	233920	47.146	ug/l	91
44) Trichloroethene	8.866	130	190678	52.225	ug/l	93
45) 1,2-Dichloropropane	9.140	63	181129	52.188	ug/l	98
46) Dibromomethane	9.231	93	100926	53.176	ug/l	95
47) Bromodichloromethane	9.420	83	273096	53.529	ug/l	100
48) Methyl methacrylate	9.219	41	107094	45.708	ug/l	85
49) 1,4-Dioxane	9.231	88	22941	1026.760	ug/l #	99
51) 4-Methyl-2-Pentanone	10.000	43	595510	238.572	ug/l	92
52) Toluene	10.170	92	481305	52.715	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	247394	50.868	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	289595	51.138	ug/l #	89
55) 1,1,2-Trichloroethane	10.573	97	136019	51.896	ug/l	97
56) Ethyl methacrylate	10.439	69	196239	49.288	ug/l #	83
57) 1,3-Dichloropropane	10.719	76	235871	52.354	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	484095	261.968	ug/l	99
59) 2-Hexanone	10.762	43	426450	233.032	ug/l	90
60) Dibromochloromethane	10.914	129	180257	51.990	ug/l	100
61) 1,2-Dibromoethane	11.012	107	123274	50.479	ug/l	98
64) Tetrachloroethene	10.646	164	163242	52.227	ug/l	94
65) Chlorobenzene	11.444	112	535103	53.895	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	185919	54.084	ug/l	98
67) Ethyl Benzene	11.518	91	952165	53.973	ug/l	100
68) m/p-Xylenes	11.627	106	714424	107.100	ug/l	94
69) o-Xylene	11.957	106	343985	52.729	ug/l	94
70) Styrene	11.969	104	586512	53.250	ug/l	97
71) Bromoform	12.133	173	100441	51.156	ug/l #	97
73) Isopropylbenzene	12.255	105	939364	54.511	ug/l	99
74) N-amyl acetate	12.072	43	218032	46.522	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	156317	51.106	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	113644m	51.044	ug/l	
77) Bromobenzene	12.530	156	203672	53.290	ug/l	93
78) n-propylbenzene	12.597	91	1116391	54.657	ug/l	99
79) 2-Chlorotoluene	12.682	91	636659	53.486	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	754502	53.857	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	53249	45.914	ug/l	92
82) 4-Chlorotoluene	12.780	91	656157	53.619	ug/l	96
83) tert-Butylbenzene	12.999	119	695735	54.857	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	748695	53.990	ug/l	98
85) sec-Butylbenzene	13.176	105	1010247	54.832	ug/l	100
86) p-Isopropyltoluene	13.292	119	824632	54.705	ug/l	96
87) 1,3-Dichlorobenzene	13.286	146	401341	54.042	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	395937	53.721	ug/l	98
89) n-Butylbenzene	13.615	91	789076	54.756	ug/l	99
90) Hexachloroethane	13.877	117	165342	52.716	ug/l	92
91) 1,2-Dichlorobenzene	13.657	146	357119	53.887	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	23788	46.664	ug/l	82
93) 1,2,4-Trichlorobenzene	14.919	180	206045	51.119	ug/l	96
94) Hexachlorobutadiene	15.023	225	110758	51.437	ug/l	98
95) Naphthalene	15.145	128	379155	46.973	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	171373	49.706	ug/l	98

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

