

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
 Data File : VY020578.D
 Acq On : 10 Dec 2024 18:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 11 00:53:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2024
 Supervised By :Semsettin Yesilyurt 12/11/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	125896	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	207894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	186171	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	98004	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	68405	53.425	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.860%
35) Dibromofluoromethane	7.634	113	64562	49.329	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.660%
50) Toluene-d8	10.103	98	232357	46.624	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.240%
62) 4-Bromofluorobenzene	12.401	95	87553	50.231	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	100.460%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	59212	48.217	ug/l	100
3) Chloromethane	2.068	50	64365	51.766	ug/l	98
4) Vinyl Chloride	2.202	62	62819	49.552	ug/l	98
5) Bromomethane	2.592	94	38928	52.334	ug/l	98
6) Chloroethane	2.732	64	40073	51.573	ug/l	100
7) Trichlorofluoromethane	3.062	101	112553	47.403	ug/l	99
8) Diethyl Ether	3.452	74	39150	58.195	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	66117	47.791	ug/l	99
10) Methyl Iodide	4.007	142	83065	53.484	ug/l	96
11) Tert butyl alcohol	4.860	59	32255	388.346	ug/l	99
12) 1,1-Dichloroethene	3.793	96	64964	49.709	ug/l	90
13) Acrolein	3.653	56	13995	179.968	ug/l	100
14) Allyl chloride	4.385	41	121109	51.958	ug/l	95
15) Acrylonitrile	5.061	53	94412	336.820	ug/l	99
16) Acetone	3.866	43	82424	258.898	ug/l	97
17) Carbon Disulfide	4.104	76	189714	50.720	ug/l	98
18) Methyl Acetate	4.391	43	47723	70.527	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	202504	60.675	ug/l	98
20) Methylene Chloride	4.610	84	78954	58.298	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	75677	52.134	ug/l	97
22) Diisopropyl ether	6.018	45	268260	57.877	ug/l	99
23) Vinyl Acetate	5.964	43	748644	305.368	ug/l	99
24) 1,1-Dichloroethane	5.915	63	149682	53.641	ug/l	99
25) 2-Butanone	6.890	43	125666	312.592	ug/l	95
26) 2,2-Dichloropropane	6.884	77	111435	42.221	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	92156	54.371	ug/l	96
28) Bromochloromethane	7.244	49	65137	62.508	ug/l	96
29) Tetrahydrofuran	7.262	42	80068	349.119	ug/l	97
30) Chloroform	7.421	83	156437	54.624	ug/l	96
31) Cyclohexane	7.701	56	116532	46.193	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	136009	49.321	ug/l	98
36) 1,1-Dichloropropene	7.835	75	104919	47.471	ug/l	100
37) Ethyl Acetate	6.988	43	57121	65.235	ug/l	98
38) Carbon Tetrachloride	7.817	117	122805	46.555	ug/l	97
39) Methylcyclohexane	9.109	83	126736	46.211	ug/l	98
40) Benzene	8.079	78	328929	50.477	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	29627	59.520	ug/l	95
42) 1,2-Dichloroethane	8.158	62	95599	55.832	ug/l	99
43) Isopropyl Acetate	8.195	43	110831	62.683	ug/l	98
44) Trichloroethene	8.859	130	79318	49.375	ug/l	100
45) 1,2-Dichloropropane	9.140	63	80808	52.992	ug/l	100
46) Dibromomethane	9.231	93	44173	58.506	ug/l	97
47) Bromodichloromethane	9.420	83	120638	54.232	ug/l	98
48) Methyl methacrylate	9.219	41	51258	62.169	ug/l	96
49) 1,4-Dioxane	9.231	88	10905	1511.048	ug/l	98
51) 4-Methyl-2-Pentanone	9.993	43	292066	334.484	ug/l	99
52) Toluene	10.170	92	207711	51.088	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	109260	54.710	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	126979	53.800	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	59737	59.312	ug/l	99
56) Ethyl methacrylate	10.432	69	89940	63.113	ug/l	95
57) 1,3-Dichloropropane	10.713	76	107098	59.383	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	205507	308.001	ug/l	98
59) 2-Hexanone	10.755	43	200199	317.815	ug/l	98
60) Dibromochloromethane	10.908	129	80835	57.648	ug/l	99
61) 1,2-Dibromoethane	11.011	107	54606	59.288	ug/l	98
64) Tetrachloroethene	10.646	164	81920	52.076	ug/l	96
65) Chlorobenzene	11.438	112	225314	48.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	81120	49.017	ug/l	99
67) Ethyl Benzene	11.518	91	408795	46.736	ug/l	100
68) m/p-Xylenes	11.627	106	301962	94.278	ug/l	99
69) o-Xylene	11.950	106	145449	48.473	ug/l	100
70) Styrene	11.969	104	251302	50.199	ug/l	100
71) Bromoform	12.127	173	47660	56.643	ug/l #	99
73) Isopropylbenzene	12.249	105	388733	40.995	ug/l	100
74) N-amyl acetate	12.066	43	102415	55.105	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	70342	51.584	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	48547m	48.627	ug/l	
77) Bromobenzene	12.530	156	88644	45.141	ug/l	98
78) n-propylbenzene	12.590	91	464979	41.416	ug/l	99
79) 2-Chlorotoluene	12.676	91	270380	42.680	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	322404	42.428	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	23733	48.777	ug/l	95
82) 4-Chlorotoluene	12.773	91	279923	43.300	ug/l	99
83) tert-Butylbenzene	12.993	119	290672	42.309	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	322337	43.642	ug/l	100
85) sec-Butylbenzene	13.176	105	413691	42.017	ug/l	99
86) p-Isopropyltoluene	13.292	119	349801	42.993	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	174002	45.946	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	173559	46.813	ug/l	99
89) n-Butylbenzene	13.615	91	327975	43.463	ug/l	99
90) Hexachloroethane	13.877	117	69182	43.630	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	156719	48.797	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11185	54.181	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	95171	52.700	ug/l	100
94) Hexachlorobutadiene	15.023	225	58052	45.950	ug/l	100
95) Naphthalene	15.145	128	178210	60.981	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	82488	56.607	ug/l	99

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

