

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062424\
 Data File : VV036267.D
 Acq On : 25 Jun 2024 00:50
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025303

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2024
 Supervised By :Mahesh Dadoda 06/26/2024

Quant Time: Jun 25 06:31:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:53:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	260057	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	258530	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	130813	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	108875	22.772	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	91.080%	
7) Chloroethane-d5	1.526	69	97818	25.658	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	102.640%	
11) 1,1-Dichloroethene-d2	2.050	65	49873	23.432	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	93.720%	
21) 2-Butanone-d5	3.838	46	60711	55.344	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	110.680%	
24) Chloroform-d	4.243	84	229818	27.797	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	111.200%	
26) 1,2-Dichloroethane-d4	4.937	65	121011	27.916	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	111.680%	
32) Benzene-d6	4.953	84	428872	27.908	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	111.640%	
36) 1,2-Dichloropropane-d6	5.985	67	134474	27.787	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	111.160%	
41) Toluene-d8	7.239	98	383583	28.289	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	113.160%	
43) trans-1,3-Dichloroprop...	7.551	79	49520	24.956	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	99.840%	
47) 2-Hexanone-d5	8.030	63	44036	67.161	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	134.320%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	118342	32.724	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	130.880%#	
66) 1,2-Dichlorobenzene-d4	11.557	152	130619	27.229	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	108.920%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	105072	22.408	ug/L	100
3) Chloromethane	1.211	50	114437	21.266	ug/L	100
5) Vinyl chloride	1.275	62	137283	24.233	ug/L	100
6) Bromomethane	1.481	94	90306	25.695	ug/L	98
8) Chloroethane	1.542	64	88741	25.201	ug/L	99
9) Trichlorofluoromethane	1.706	101	198257	28.180	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	127057	28.456	ug/L	98
12) 1,1-Dichloroethene	2.063	96	112862	27.102	ug/L	86
13) Acetone	2.159	43	42816	25.057	ug/L	100
14) Carbon disulfide	2.233	76	337788	23.358	ug/L	99
15) Methyl Acetate	2.387	43	50192	23.632	ug/L	98
16) Methylene chloride	2.442	84	133620	22.707	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	111843	25.283	ug/L	94
18) Methyl tert-butyl Ether	2.699	73	263911	26.574	ug/L	99
19) 1,1-Dichloroethane	3.104	63	212743	25.253	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	113338	25.497	ug/L	99
22) 2-Butanone	3.911	43	63323m	43.673	ug/L	
23) Bromochloromethane	4.143	128	59848	26.842	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.272	83	227761	26.282	ug/L	99
27) 1,2-Dichloroethane	5.037	62	147151	27.198	ug/L	99
29) Cyclohexane	4.577	56	151952	24.686	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	191031	27.028	ug/L	99
31) Carbon tetrachloride	4.728	117	167927	27.083	ug/L	98
33) Benzene	5.005	78	458024	27.088	ug/L	100
34) Trichloroethene	5.828	95	135643	26.175	ug/L	98
35) Methylcyclohexane	6.046	83	187420	26.152	ug/L	96
37) 1,2-Dichloropropane	6.088	63	122858	27.672	ug/L	99
38) Bromodichloromethane	6.429	83	158770	27.018	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	151322	22.787	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	130706	54.186	ug/L	97
42) Toluene	7.313	91	478748	27.709	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	145887	25.434	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	100385	27.326	ug/L	98
46) Tetrachloroethene	7.902	164	94047	24.814	ug/L	98
48) 2-Hexanone	8.079	43	89556	47.489	ug/L	96
49) Dibromochloromethane	8.175	129	110073	27.378	ug/L	99
50) 1,2-Dibromoethane	8.281	107	98716	28.005	ug/L	97
51) Chlorobenzene	8.812	112	305667	25.965	ug/L	97
52) Ethylbenzene	8.943	91	491150	26.570	ug/L	99
53) m,p-Xylene	9.072	106	187562	27.004	ug/L	99
54) o-Xylene	9.477	106	173923	26.553	ug/L	96
55) Styrene	9.493	104	323442	28.002	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	98482	29.939	ug/L	99
59) Bromoform	9.664	173	72515	29.395	ug/L	99
60) Isopropylbenzene	9.863	105	479594	28.577	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	92332	29.844	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	329073	27.041	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	358160	27.316	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	233817	26.529	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	239721	26.352	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	222820	26.866	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	20505	29.639	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	144562	21.928	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	107193	20.650	ug/L	100
71) Naphthalene	13.438	128	213221	25.170	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	109576	23.133	ug/L	98

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