

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062024\
 Data File : VW036173.D
 Acq On : 20 Jun 2024 19:21
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 21 01:49:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 20 05:02:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	339984	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	349514	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	192489	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	113992	18.237	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.960%
7) Chloroethane-d5	1.526	69	97622	19.587	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.360%
11) 1,1-Dichloroethene-d2	2.050	65	53439	19.205	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.800%
21) 2-Butanone-d5	3.828	46	79480	55.421	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.840%
24) Chloroform-d	4.246	84	244814	22.649	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	4.941	65	137915	24.336	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.360%
32) Benzene-d6	4.957	84	460368	22.159	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.640%
36) 1,2-Dichloropropane-d6	5.986	67	142971	21.852	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.400%
41) Toluene-d8	7.240	98	427579	23.325	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.320%
43) trans-1,3-Dichloroprop...	7.551	79	64984	24.224	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.880%
47) 2-Hexanone-d5	8.031	63	58101	65.545	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.100%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	127648	26.109	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.440%
66) 1,2-Dichlorobenzene-d4	11.558	152	162256	22.986	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	125552	20.481	ug/L	99
3) Chloromethane	1.211	50	148798	21.150	ug/L	99
5) Vinyl chloride	1.278	62	161563	21.814	ug/L	100
6) Bromomethane	1.484	94	113344	24.669	ug/L	100
8) Chloroethane	1.545	64	106816	23.202	ug/L	99
9) Trichlorofluoromethane	1.706	101	222170	24.155	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	133089	22.800	ug/L	99
12) 1,1-Dichloroethene	2.060	96	130735	24.013	ug/L	97
14) Carbon disulfide	2.230	76	417032	22.058	ug/L	100
15) Methyl Acetate	2.384	43	75614	27.231	ug/L	95
16) Methylene chloride	2.439	84	169992	22.097	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	142927	24.714	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	397743	30.635	ug/L	99
19) 1,1-Dichloroethane	3.105	63	274403	24.915	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	157867	27.166	ug/L	97
22) 2-Butanone	3.905	43	92682	48.895	ug/L	# 76
23) Bromochloromethane	4.143	128	81385	27.920	ug/L	94
25) Chloroform	4.272	83	293094	25.870	ug/L	100
27) 1,2-Dichloroethane	5.040	62	203260	28.737	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.574	56	177595	21.341	ug/L	94
30) 1,1,1-Trichloroethane	4.507	97	235878	24.686	ug/L	99
31) Carbon tetrachloride	4.728	117	203546	24.282	ug/L	99
33) Benzene	5.005	78	591831	25.890	ug/L	100
34) Trichloroethene	5.828	95	183023	26.124	ug/L	99
35) Methylcyclohexane	6.047	83	211852	21.866	ug/L	97
37) 1,2-Dichloropropane	6.092	63	154492	25.739	ug/L	98
38) Bromodichloromethane	6.429	83	215143	27.080	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	244565	27.242	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	207874	63.743	ug/L	97
42) Toluene	7.313	91	634766	27.175	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	224805	28.991	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	140295	28.248	ug/L	99
46) Tetrachloroethene	7.902	164	117574	22.946	ug/L	98
48) 2-Hexanone	8.079	43	149669	58.706	ug/L #	95
49) Dibromochloromethane	8.175	129	154769	28.474	ug/L	98
50) 1,2-Dibromoethane	8.281	107	144243	30.269	ug/L	99
51) Chlorobenzene	8.812	112	424418	26.668	ug/L	98
52) Ethylbenzene	8.944	91	658817	26.362	ug/L	100
53) m,p-Xylene	9.072	106	253665	27.014	ug/L	100
54) o-Xylene	9.477	106	244219	27.579	ug/L	97
55) Styrene	9.493	104	446194	28.573	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	128994	29.007	ug/L	99
59) Bromoform	9.664	173	104508	28.789	ug/L	100
60) Isopropylbenzene	9.866	105	633333	25.646	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	134507	29.546	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	457479	25.547	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	512765	26.577	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	327471	25.250	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	335458	25.060	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	313897	25.721	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	33864	33.265	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	231098	23.822	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	205848	26.950	ug/L	99
71) Naphthalene	13.435	128	465535	37.346	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	210139	30.148	ug/L	100

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

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