

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071724\
 Data File : VW036598.D
 Acq On : 17 Jul 2024 17:02
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025328

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/18/2024
 Supervised By :Mahesh Dadoda 07/19/2024

Quant Time: Jul 18 01:29:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 01:25:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	287503	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	311455	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	183957	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	78826	19.137	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.560%
7) Chloroethane-d5	1.526	69	71985	19.989	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.960%
11) 1,1-Dichloroethene-d2	2.050	65	39648	18.745	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.960%
21) 2-Butanone-d5	3.844	46	32369	45.914	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.820%
24) Chloroform-d	4.243	84	178497	21.329	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.320%
26) 1,2-Dichloroethane-d4	4.937	65	89909	21.661	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.640%
32) Benzene-d6	4.953	84	318514	20.499	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	5.986	67	92392	19.952	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.800%
41) Toluene-d8	7.239	98	310029	21.625	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.480%
43) trans-1,3-Dichloroprop...	7.551	79	39202	20.361	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.440%
47) 2-Hexanone-d5	8.030	63	23652	45.988	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.980%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	82222	21.082	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.320%
66) 1,2-Dichlorobenzene-d4	11.558	152	127353	20.400	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	81886	19.652	ug/L	99
3) Chloromethane	1.211	50	68859	20.593	ug/L	98
5) Vinyl chloride	1.275	62	85204	20.708	ug/L	99
6) Bromomethane	1.481	94	70490	21.233	ug/L	99
8) Chloroethane	1.542	64	61531	21.617	ug/L	99
9) Trichlorofluoromethane	1.706	101	160950	22.040	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	107673	21.867	ug/L	98
12) 1,1-Dichloroethene	2.060	96	91841	21.624	ug/L	85
13) Acetone	2.166	43	46763m	46.917	ug/L	
14) Carbon disulfide	2.230	76	172970	18.139	ug/L	99
15) Methyl Acetate	2.388	43	32804	24.360	ug/L	98
16) Methylene chloride	2.439	84	121980	20.637	ug/L	95
17) trans-1,2-Dichloroethene	2.687	96	85986	22.278	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	215569	24.924	ug/L	99
19) 1,1-Dichloroethane	3.105	63	164965	23.613	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	94842	23.642	ug/L	99
22) 2-Butanone	3.918	43	42505m	50.796	ug/L	
23) Bromochloromethane	4.140	128	58901	25.852	ug/L	94
25) Chloroform	4.269	83	204165	24.612	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	119297	25.601	ug/L	100
29) Cyclohexane	4.574	56	74350	18.765	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	167481	23.132	ug/L	99
31) Carbon tetrachloride	4.725	117	144485	22.501	ug/L	99
33) Benzene	5.002	78	358652	23.269	ug/L	100
34) Trichloroethene	5.828	95	113377	23.116	ug/L	99
35) Methylcyclohexane	6.047	83	112482	20.095	ug/L	97
37) 1,2-Dichloropropane	6.088	63	94081	24.187	ug/L	98
38) Bromodichloromethane	6.429	83	147591	23.946	ug/L	97
39) cis-1,3-Dichloropropene	6.950	75	134937	22.496	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	90281	51.073	ug/L	97
42) Toluene	7.310	91	415540	25.444	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	130898	24.476	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	96885	25.276	ug/L	99
46) Tetrachloroethene	7.902	164	92215	23.253	ug/L	98
48) 2-Hexanone	8.079	43	65728	50.127	ug/L	99
49) Dibromochloromethane	8.172	129	116431	25.120	ug/L	98
50) 1,2-Dibromoethane	8.281	107	93066	25.871	ug/L	99
51) Chlorobenzene	8.812	112	297965	24.361	ug/L	98
52) Ethylbenzene	8.944	91	433561	24.748	ug/L	99
53) m,p-Xylene	9.072	106	173539	25.729	ug/L	99
54) o-Xylene	9.477	106	164533	25.621	ug/L	99
55) Styrene	9.493	104	319277	27.788	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	87586	25.024	ug/L	98
59) Bromoform	9.664	173	79802	24.477	ug/L	97
60) Isopropylbenzene	9.863	105	443983	24.159	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	79243	24.212	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	319262	24.259	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	361263	25.227	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	264548	24.350	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	279222	23.935	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	258310	24.742	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	17172	24.250	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	196521	23.362	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	152586	22.807	ug/L	99
71) Naphthalene	13.435	128	220516	21.946	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	154632	24.430	ug/L	99

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

