

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071524\
 Data File : VW036541.D
 Acq On : 15 Jul 2024 20:51
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025324

Quant Time: Jul 16 01:32:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 16 01:25:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 07/16/2024
 Supervised By :Mahesh Dadoda 07/19/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	264596	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	292758	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	175408	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	109180	28.801	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.200%
7) Chloroethane-d5	1.526	69	97065	29.287	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.160%
11) 1,1-Dichloroethene-d2	2.050	65	52320	26.877	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.520%
21) 2-Butanone-d5	3.821	46	56042	86.375	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	172.740%#
24) Chloroform-d	4.243	84	230820	29.970	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	119.880%
26) 1,2-Dichloroethane-d4	4.940	65	125456	32.842	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	131.360%#
32) Benzene-d6	4.953	84	426840	29.225	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.920%
36) 1,2-Dichloropropane-d6	5.985	67	125689	28.876	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.520%
41) Toluene-d8	7.239	98	418628	31.065	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	124.240%
43) trans-1,3-Dichloroprop...	7.551	79	54763	30.260	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	121.040%
47) 2-Hexanone-d5	8.030	63	40025	82.792	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	165.580%#
56) 1,1,2,2-Tetrachloroeth...	10.149	84	122203	33.335	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	133.320%#
66) 1,2-Dichlorobenzene-d4	11.558	152	171829	28.866	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	115.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	67132	17.506	ug/L	99
3) Chloromethane	1.211	50	58109	18.883	ug/L	98
5) Vinyl chloride	1.275	62	73074	19.298	ug/L	99
6) Bromomethane	1.481	94	58334	19.092	ug/L	100
8) Chloroethane	1.542	64	52710	20.121	ug/L	97
9) Trichlorofluoromethane	1.706	101	132226	19.674	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	86319	19.048	ug/L	98
12) 1,1-Dichloroethene	2.060	96	73188	18.724	ug/L	96
13) Acetone	2.137	43	38336	41.792	ug/L #	42
14) Carbon disulfide	2.230	76	139586	15.905	ug/L	99
15) Methyl Acetate	2.384	43	34687	27.989	ug/L	100
16) Methylene chloride	2.439	84	116209	21.362	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	68752	19.355	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	191908	24.110	ug/L	100
19) 1,1-Dichloroethane	3.104	63	135697	21.105	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	81329	22.029	ug/L	99
22) 2-Butanone	3.902	43	43540m	56.537	ug/L	
23) Bromochloromethane	4.143	128	51297	24.463	ug/L	93
25) Chloroform	4.272	83	175075	22.932	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	109245	25.474	ug/L	100
29) Cyclohexane	4.577	56	58673	15.754	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	137310	20.176	ug/L	97
31) Carbon tetrachloride	4.728	117	115540	19.143	ug/L	99
33) Benzene	5.005	78	301080	20.782	ug/L	100
34) Trichloroethene	5.831	95	95041	20.615	ug/L	98
35) Methylcyclohexane	6.046	83	87802	16.687	ug/L	98
37) 1,2-Dichloropropane	6.091	63	80631	22.053	ug/L	99
38) Bromodichloromethane	6.429	83	127668	22.037	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	115812	20.541	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	90643	54.553	ug/L	96
42) Toluene	7.313	91	342189	22.290	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	116584	23.191	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	87343	24.242	ug/L	99
46) Tetrachloroethene	7.905	164	75510	20.257	ug/L	97
48) 2-Hexanone	8.079	43	67534	54.793	ug/L	96
49) Dibromochloromethane	8.175	129	104281	23.935	ug/L	100
50) 1,2-Dibromoethane	8.281	107	85866	25.394	ug/L	99
51) Chlorobenzene	8.812	112	247936	21.565	ug/L	97
52) Ethylbenzene	8.947	91	341107	20.714	ug/L	100
53) m,p-Xylene	9.072	106	138518	21.848	ug/L	99
54) o-Xylene	9.477	106	131426	21.773	ug/L	100
55) Styrene	9.493	104	264698	24.509	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	82926	25.206	ug/L	98
59) Bromoform	9.664	173	76072	24.470	ug/L	99
60) Isopropylbenzene	9.866	105	351259	20.045	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	75321	24.135	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	247159	19.695	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	285078	20.877	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	225232	21.742	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	238157	21.410	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	224597	22.562	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	18546	27.466	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	169914	21.183	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	139411	21.853	ug/L	100
71) Naphthalene	13.438	128	244738	25.543	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	149503	24.770	ug/L	99

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

