

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071824\
 Data File : VW036606.D
 Acq On : 18 Jul 2024 19:03
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025330

Quant Time: Jul 19 04:42:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 19 04:31:33 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 07/19/2024
 Supervised By :Mahesh Dadoda 07/22/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	302117	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	305374	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	177699	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	81199	18.760	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.040%
7) Chloroethane-d5	1.526	69	75402	19.925	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.680%
11) 1,1-Dichloroethene-d2	2.050	65	42462	19.104	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.400%
21) 2-Butanone-d5	3.851	46	30673	41.404	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.800%
24) Chloroform-d	4.243	84	185329	21.075	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.280%
26) 1,2-Dichloroethane-d4	4.937	65	91830	21.054	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.200%
32) Benzene-d6	4.954	84	338764	22.236	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.960%
36) 1,2-Dichloropropane-d6	5.986	67	96188	21.185	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.760%
41) Toluene-d8	7.240	98	336196	23.917	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.680%
43) trans-1,3-Dichloroprop...	7.551	79	38300	20.289	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.160%
47) 2-Hexanone-d5	8.031	63	26045	51.649	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.300%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	85839	22.448	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.558	152	140396	23.281	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	79108	18.067	ug/L	98
3) Chloromethane	1.211	50	63803	18.158	ug/L	97
5) Vinyl chloride	1.275	62	82546	19.092	ug/L	99
6) Bromomethane	1.481	94	65694	18.831	ug/L	98
8) Chloroethane	1.542	64	59169	19.781	ug/L	98
9) Trichlorofluoromethane	1.706	101	164960	21.496	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	111135	21.478	ug/L	95
12) 1,1-Dichloroethene	2.060	96	91971	20.607	ug/L	85
13) Acetone	2.166	43	29353m	28.025	ug/L	
14) Carbon disulfide	2.230	76	162947	16.261	ug/L	99
15) Methyl Acetate	2.388	43	29721	21.003	ug/L #	66
16) Methylene chloride	2.439	84	117079	18.849	ug/L	95
17) trans-1,2-Dichloroethene	2.687	96	86113	21.232	ug/L	98
18) Methyl tert-butyl Ether	2.700	73	209346	23.034	ug/L	98
19) 1,1-Dichloroethane	3.105	63	153566	20.918	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	104406	24.767	ug/L	96
22) 2-Butanone	3.921	43	27955	31.792	ug/L	96
23) Bromochloromethane	4.140	128	57680	24.091	ug/L	92
25) Chloroform	4.269	83	195739	22.455	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	110775	22.622	ug/L	100
29) Cyclohexane	4.574	56	88192	22.702	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	149350	21.039	ug/L	98
31) Carbon tetrachloride	4.728	117	137440	21.831	ug/L	99
33) Benzene	5.005	78	351785	23.278	ug/L	100
34) Trichloroethene	5.828	95	116934	24.316	ug/L	93
35) Methylcyclohexane	6.043	83	128237	23.366	ug/L	93
37) 1,2-Dichloropropane	6.089	63	89879	23.567	ug/L #	92
38) Bromodichloromethane	6.429	83	142008	23.499	ug/L	97
39) cis-1,3-Dichloropropene	6.950	75	131466	22.354	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	84283	48.630	ug/L #	93
42) Toluene	7.310	91	410742	25.651	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	119595	22.808	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	91661	24.390	ug/L	97
46) Tetrachloroethene	7.902	164	163372	42.017	ug/L	99
48) 2-Hexanone	8.079	43	56789	44.172	ug/L	99
49) Dibromochloromethane	8.172	129	115740	25.468	ug/L	99
50) 1,2-Dibromoethane	8.281	107	88087	24.975	ug/L	100
51) Chlorobenzene	8.809	112	300277	25.039	ug/L	97
52) Ethylbenzene	8.944	91	455189	26.500	ug/L	99
53) m,p-Xylene	9.069	106	179620	27.161	ug/L	98
54) o-Xylene	9.474	106	177233	28.148	ug/L	97
55) Styrene	9.494	104	319731	28.382	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	83082	24.210	ug/L	98
59) Bromoform	9.664	173	78023	24.774	ug/L	98
60) Isopropylbenzene	9.863	105	485930	27.372	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	71945	22.756	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	356400	28.034	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	391262	28.284	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	272647	25.980	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	275493	24.447	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	254396	25.226	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	14328	20.946	ug/L	87
69) 1,3,5-Trichlorobenzene	12.577	180	200388	24.660	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	162045	25.073	ug/L	99
71) Naphthalene	13.435	128	233698	24.077	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	150197	24.565	ug/L	98

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

