

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071624\
 Data File : VW036559.D
 Acq On : 16 Jul 2024 09:48
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025325

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/17/2024
 Supervised By :Mahesh Dadoda 07/19/2024

Quant Time: Jul 17 02:11:50 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

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	273170	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	288506	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	170954	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	94497	24.145	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.600%
7) Chloroethane-d5	1.526	69	82422	24.088	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.360%
11) 1,1-Dichloroethene-d2	2.047	65	47123	23.448	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.800%
21) 2-Butanone-d5	3.834	46	37939m	56.638	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.280%
24) Chloroform-d	4.240	84	193151	24.291	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.160%
26) 1,2-Dichloroethane-d4	4.937	65	94512	23.965	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.840%
32) Benzene-d6	4.950	84	344616	23.943	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.760%
36) 1,2-Dichloropropane-d6	5.982	67	100440	23.415	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.680%
41) Toluene-d8	7.236	98	338622	25.498	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.000%
43) trans-1,3-Dichloroprop...	7.551	79	42990	24.105	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.440%
47) 2-Hexanone-d5	8.030	63	24920	52.307	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.620%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	88711	24.556	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	134250	23.140	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	93269	23.559	ug/L	100
3) Chloromethane	1.211	50	70550	22.206	ug/L	96
5) Vinyl chloride	1.275	62	91083	23.299	ug/L	99
6) Bromomethane	1.481	94	69277	21.962	ug/L	98
8) Chloroethane	1.542	64	63387	23.437	ug/L	99
9) Trichlorofluoromethane	1.703	101	181747	26.193	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	121226	25.911	ug/L	98
12) 1,1-Dichloroethene	2.060	96	96845	23.999	ug/L	81
13) Acetone	2.143	43	51281	54.150	ug/L	82
14) Carbon disulfide	2.227	76	179256	19.784	ug/L	100
15) Methyl Acetate	2.381	43	33295	26.022	ug/L	99
16) Methylene chloride	2.439	84	119886	21.347	ug/L	97
17) trans-1,2-Dichloroethene	2.683	96	84093	22.931	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	205368	24.991	ug/L	99
19) 1,1-Dichloroethane	3.101	63	161611	24.346	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	92560	24.284	ug/L	97
22) 2-Butanone	3.908	43	45561m	57.304	ug/L	
23) Bromochloromethane	4.137	128	55925	25.833	ug/L	96
25) Chloroform	4.269	83	200526	25.442	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	117635	26.569	ug/L	98
29) Cyclohexane	4.571	56	83578	22.772	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	170525	25.426	ug/L	99
31) Carbon tetrachloride	4.725	117	154510	25.977	ug/L	98
33) Benzene	5.002	78	354396	24.822	ug/L	100
34) Trichloroethene	5.828	95	110116	24.237	ug/L	99
35) Methylcyclohexane	6.043	83	126026	24.305	ug/L	98
37) 1,2-Dichloropropane	6.088	63	89754	24.910	ug/L	100
38) Bromodichloromethane	6.426	83	144772	25.357	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	130092	23.413	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	86316	52.714	ug/L	95
42) Toluene	7.310	91	404472	26.736	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	128630	25.965	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	94149	26.517	ug/L	97
46) Tetrachloroethene	7.902	164	91821	24.996	ug/L	99
48) 2-Hexanone	8.079	43	66292	54.578	ug/L	98
49) Dibromochloromethane	8.172	129	115365	26.870	ug/L	99
50) 1,2-Dibromoethane	8.278	107	88601	26.589	ug/L	100
51) Chlorobenzene	8.809	112	282106	24.899	ug/L	98
52) Ethylbenzene	8.944	91	416291	25.652	ug/L	100
53) m,p-Xylene	9.069	106	169944	27.200	ug/L	99
54) o-Xylene	9.474	106	158156	26.587	ug/L	98
55) Styrene	9.493	104	307035	28.848	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	86035	26.536	ug/L	99
59) Bromoform	9.661	173	78249	25.826	ug/L	98
60) Isopropylbenzene	9.863	105	437966	25.644	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	77370	25.437	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	302204	24.709	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	340658	25.598	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	257551	25.510	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	269515	24.860	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	246014	25.357	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	17876	27.164	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	192994	24.687	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	153539	24.695	ug/L	99
71) Naphthalene	13.435	128	230909	24.728	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	153383	26.075	ug/L	100

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

