

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071824\
 Data File : VW036600.D
 Acq On : 18 Jul 2024 10:14
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025329

Quant Time: Jul 19 04:15:32 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

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	267650	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	285064	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	165090	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	87985	22.945	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.800%		
7) Chloroethane-d5	1.526	69	80057	23.879	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	95.520%		
11) 1,1-Dichloroethene-d2	2.050	65	45759	23.239	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	92.960%		
21) 2-Butanone-d5	3.851	46	29191	44.477	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	88.960%		
24) Chloroform-d	4.240	84	197073	25.296	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	101.200%		
26) 1,2-Dichloroethane-d4	4.934	65	92984	24.064	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	96.240%		
32) Benzene-d6	4.950	84	348260	24.488	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	97.960%		
36) 1,2-Dichloropropane-d6	5.982	67	98602	23.264	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	93.040%		
41) Toluene-d8	7.236	98	333744	25.434	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	101.720%		
43) trans-1,3-Dichloroprop...	7.551	79	40771	23.137	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	92.560%		
47) 2-Hexanone-d5	8.030	63	20387	43.309	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	86.620%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	82088	22.997	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	92.000%		
66) 1,2-Dichlorobenzene-d4	11.558	152	130161	23.232	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.920%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	88958	22.933	ug/L	100
3) Chloromethane	1.211	50	68188	21.905	ug/L	99
5) Vinyl chloride	1.278	62	88961	23.225	ug/L	99
6) Bromomethane	1.484	94	71683	23.194	ug/L	100
8) Chloroethane	1.542	64	62656	23.644	ug/L	98
9) Trichlorofluoromethane	1.706	101	173773	25.561	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	117848	25.708	ug/L	97
12) 1,1-Dichloroethene	2.060	96	98226	24.843	ug/L	91
13) Acetone	2.163	43	44662m	48.133	ug/L	
14) Carbon disulfide	2.230	76	178314	20.086	ug/L	99
15) Methyl Acetate	2.384	43	27711	22.105	ug/L	90
16) Methylene chloride	2.439	84	117386	21.332	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	87839	24.446	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	197718	24.556	ug/L	99
19) 1,1-Dichloroethane	3.101	63	165048	25.377	ug/L	100
20) cis-1,2-Dichloroethene	3.806	96	93453	25.024	ug/L	98
22) 2-Butanone	3.921	43	35496m	45.566	ug/L	
23) Bromochloromethane	4.140	128	56369	26.575	ug/L	96
25) Chloroform	4.265	83	207915	26.923	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	119217	27.482	ug/L	100
29) Cyclohexane	4.574	56	80107	22.090	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	174396	26.317	ug/L	99
31) Carbon tetrachloride	4.725	117	153479	26.115	ug/L	99
33) Benzene	5.002	78	364402	25.831	ug/L	100
34) Trichloroethene	5.825	95	111912	24.930	ug/L	98
35) Methylcyclohexane	6.043	83	119749	23.374	ug/L	100
37) 1,2-Dichloropropane	6.085	63	95259	26.757	ug/L	99
38) Bromodichloromethane	6.426	83	144324	25.584	ug/L	97
39) cis-1,3-Dichloropropene	6.950	75	131393	23.933	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	71901	44.441	ug/L	95
42) Toluene	7.310	91	414586	27.735	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	123250	25.179	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	92144	26.265	ug/L	99
46) Tetrachloroethene	7.899	164	93759	25.831	ug/L	99
48) 2-Hexanone	8.079	43	55026	45.850	ug/L	97
49) Dibromochloromethane	8.172	129	113133	26.668	ug/L	100
50) 1,2-Dibromoethane	8.278	107	85279	25.901	ug/L	99
51) Chlorobenzene	8.809	112	287387	25.671	ug/L	97
52) Ethylbenzene	8.944	91	423907	26.437	ug/L	100
53) m,p-Xylene	9.069	106	173818	28.156	ug/L	99
54) o-Xylene	9.474	106	160726	27.345	ug/L	97
55) Styrene	9.490	104	314371	29.894	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	81249	25.363	ug/L	97
59) Bromoform	9.661	173	74163	25.347	ug/L	99
60) Isopropylbenzene	9.863	105	442979	26.859	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	70503	24.003	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	304972	25.821	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	340635	26.505	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	257245	26.384	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	268890	25.684	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	242967	25.932	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	15297	24.070	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	186503	24.704	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	138684	23.098	ug/L	99
71) Naphthalene	13.435	128	179616	19.918	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	135424	23.840	ug/L	99

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

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