

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050624\
 Data File : VW035536.D
 Acq On : 06 May 2024 15:18
 Operator : SY/MD
 Sample : VSTD2.559
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.5259

Quant Time: May 08 01:31:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 01:28:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/08/2024
 Supervised By :Semsettin Yesilyurt 05/08/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	441106	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	453671	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	252995	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	22139	3.247	ug/L	0.00
7) Chloroethane-d5	1.529	69	17238	3.134	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	9807	3.249	ug/L	0.00
21) 2-Butanone-d5	3.934	46	10118m	5.230	ug/L	0.10
24) Chloroform-d	4.252	84	39706	3.028	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	19260	2.971	ug/L	0.01
32) Benzene-d6	4.963	84	76249	3.070	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	23715	3.094	ug/L	0.00
41) Toluene-d8	7.246	98	64937	2.938	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	9521	2.905	ug/L	0.01
47) 2-Hexanone-d5	8.056	63	6323m	4.588	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.153	84	20540	2.781	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	27857	3.173	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	25575	2.852	ug/L	100
3) Chloromethane	1.214	50	28782	3.197	ug/L	99
5) Vinyl chloride	1.278	62	26386	2.837	ug/L	97
6) Bromomethane	1.484	94	17719	3.008	ug/L	97
8) Chloroethane	1.545	64	15858	2.765	ug/L	97
9) Trichlorofluoromethane	1.709	101	32416	2.670	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	19980	2.608	ug/L	98
12) 1,1-Dichloroethene	2.066	96	19043	2.752	ug/L	86
13) Acetone	2.159	43	18486m	6.527	ug/L	
14) Carbon disulfide	2.236	76	69210	3.158	ug/L	97
15) Methyl Acetate	2.391	43	12046m	2.788	ug/L	
16) Methylene chloride	2.445	84	37725	3.709	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	20695	2.694	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	45326	2.446	ug/L	100
19) 1,1-Dichloroethane	3.111	63	37063	2.574	ug/L	100
20) cis-1,2-Dichloroethene	3.822	96	21160	2.541	ug/L	99
22) 2-Butanone	4.005	43	13728m	5.218	ug/L	
23) Bromochloromethane	4.156	128	10517	2.611	ug/L	89
25) Chloroform	4.278	83	38685	2.601	ug/L	99
27) 1,2-Dichloroethane	5.050	62	23568	2.545	ug/L	98
29) Cyclohexane	4.577	56	27138	2.501	ug/L	97
30) 1,1,1-Trichloroethane	4.513	97	32634	2.594	ug/L	99
31) Carbon tetrachloride	4.732	117	28068	2.543	ug/L	99
33) Benzene	5.015	78	76014	2.532	ug/L	100
34) Trichloroethene	5.841	95	22538	2.654	ug/L	97
35) Methylcyclohexane	6.047	83	32689	2.535	ug/L	98
37) 1,2-Dichloropropane	6.098	63	19112	2.440	ug/L	# 92
38) Bromodichloromethane	6.439	83	27066	2.550	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	28454	2.322	ug/L	98
40) 4-Methyl-2-pentanone	7.175	43	22329m	4.832	ug/L	
42) Toluene	7.320	91	75196	2.366	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	24470	2.283	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	16921	2.542	ug/L	97
46) Tetrachloroethene	7.905	164	17955	2.602	ug/L	98
48) 2-Hexanone	8.101	43	15899m	4.607	ug/L	
49) Dibromochloromethane	8.178	129	18930	2.520	ug/L	97
50) 1,2-Dibromoethane	8.288	107	16424	2.505	ug/L	98
51) Chlorobenzene	8.815	112	57430	2.605	ug/L	98
52) Ethylbenzene	8.947	91	81908	2.335	ug/L	99
53) m,p-Xylene	9.075	106	30112	2.262	ug/L	98
54) o-Xylene	9.477	106	27272	2.162	ug/L	98
55) Styrene	9.500	104	45278	2.058	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	19779	2.439	ug/L	98
59) Bromoform	9.667	173	12494	2.513	ug/L #	94
60) Isopropylbenzene	9.866	105	75521	2.241	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	15783	2.662	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	53687	2.031	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	57268	2.108	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	45125	2.551	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	48605	2.655	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	43705	2.625	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	3339	2.428	ug/L	90
69) 1,3,5-Trichlorobenzene	12.580	180	34909	2.526	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	30204	2.617	ug/L	99
71) Naphthalene	13.442	128	52968	2.614	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	27936	2.691	ug/L	98

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

