

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053024\
 Data File : VW035884.D
 Acq On : 30 May 2024 10:38
 Operator : SY/MD
 Sample : VSTD10066
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100266

Quant Time: May 31 00:08:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:05:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/03/2024
 Supervised By :Semsettin Yesilyurt 06/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	531075	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	554165	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	311167	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	883077	101.713	ug/L	0.00
7) Chloroethane-d5	1.529	69	682902	98.354	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	374960	98.217	ug/L	0.00
21) 2-Butanone-d5	3.818	46	434877	188.097	ug/L	-0.04
24) Chloroform-d	4.239	84	1491124	92.613	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	795194	98.522	ug/L	0.00
32) Benzene-d6	4.953	84	3039478	96.780	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	950431	98.308	ug/L	0.00
41) Toluene-d8	7.236	98	2853982	101.862	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	425128	103.452	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	347620	210.134	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	671599	76.922	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.557	152	1053867	95.564	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	808840	76.542	ug/L	99
3) Chloromethane	1.211	50	939072	85.258	ug/L	99
5) Vinyl chloride	1.278	62	1012624	89.456	ug/L	100
6) Bromomethane	1.484	94	624968	87.359	ug/L	100
8) Chloroethane	1.545	64	620458	89.198	ug/L	99
9) Trichlorofluoromethane	1.709	101	1223931	84.562	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	770308	84.495	ug/L	99
12) 1,1-Dichloroethene	2.063	96	719563	86.188	ug/L	97
13) Acetone	2.162	43	559786m	160.490	ug/L	
14) Carbon disulfide	2.233	76	2568158	92.818	ug/L	100
15) Methyl Acetate	2.384	43	389565	78.897	ug/L	99
16) Methylene chloride	2.439	84	874917	71.576	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	823102	89.141	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	2107471	96.501	ug/L	99
19) 1,1-Dichloroethane	3.104	63	1544942	89.893	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	905070	92.262	ug/L	100
22) 2-Butanone	3.899	43	627500m	197.141	ug/L	
23) Bromochloromethane	4.140	128	427922	89.626	ug/L	99
25) Chloroform	4.268	83	1583214	89.478	ug/L	100
27) 1,2-Dichloroethane	5.034	62	1048374	94.419	ug/L	99
29) Cyclohexane	4.574	56	1360373	101.390	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	1304055	85.769	ug/L	99
31) Carbon tetrachloride	4.728	117	1139264	85.529	ug/L	100
33) Benzene	5.001	78	3341996	91.236	ug/L	100
34) Trichloroethene	5.825	95	1042557	99.020	ug/L	99
35) Methylcyclohexane	6.046	83	1546156	97.430	ug/L	98
37) 1,2-Dichloropropane	6.088	63	908479	95.617	ug/L	100
38) Bromodichloromethane	6.426	83	1161674	90.931	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	1509783	102.037	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	1096080	193.881	ug/L	95
42) Toluene	7.310	91	3620956	93.784	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	1302066	100.453	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.763	97	721804	89.787	ug/L	98
46) Tetrachloroethene	7.902	164	728382	87.121	ug/L	100
48) 2-Hexanone	8.075	43	890526	205.947	ug/L	95
49) Dibromochloromethane	8.172	129	816174	90.754	ug/L	99
50) 1,2-Dibromoethane	8.278	107	725603	91.759	ug/L	100
51) Chlorobenzene	8.808	112	2365356	89.072	ug/L	100
52) Ethylbenzene	8.940	91	4083739	96.434	ug/L	99
53) m,p-Xylene	9.069	106	1560681	97.452	ug/L	100
54) o-Xylene	9.474	106	1517264	100.223	ug/L	97
55) Styrene	9.490	104	2671094	100.908	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	624776	68.099	ug/L	100
59) Bromoform	9.660	173	553291	92.343	ug/L	100
60) Isopropylbenzene	9.863	105	4084769	99.827	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	664355	91.993	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	3180087	101.541	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	3456512	105.253	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	1984028	92.428	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	2008406	89.838	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	1862246	92.023	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	150916	90.048	ug/L	92
69) 1,3,5-Trichlorobenzene	12.577	180	1549051	93.260	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	1279370	92.800	ug/L	100
71) Naphthalene	13.432	128	2389579	99.499	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	1137424	90.647	ug/L	99

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

