

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052424\
 Data File : VW035780.D
 Acq On : 25 May 2024 03:59
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025377

Quant Time: May 25 06:42:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 25 02:41:55 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	460467	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	486871	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	259952	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	205014	28.806	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.240%
7) Chloroethane-d5	1.526	69	163032	28.395	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.560%
11) 1,1-Dichloroethene-d2	2.053	65	85707	27.201	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	108.800%
21) 2-Butanone-d5	3.847	46	74516m	36.893	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.780%
24) Chloroform-d	4.243	84	367134	26.819	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.280%
26) 1,2-Dichloroethane-d4	4.937	65	182398	26.952	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.800%
32) Benzene-d6	4.953	84	711354	26.691	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.760%
36) 1,2-Dichloropropane-d6	5.986	67	209747	25.502	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.000%
41) Toluene-d8	7.240	98	650327	27.417	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.680%
43) trans-1,3-Dichloroprop...	7.551	79	82384	23.421	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.680%
47) 2-Hexanone-d5	8.030	63	47787	32.312	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.620%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	164353	20.737	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.960%
66) 1,2-Dichlorobenzene-d4	11.558	152	220414	24.432	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	184997	19.761	ug/L	100
3) Chloromethane	1.211	50	188010	20.003	ug/L	99
5) Vinyl chloride	1.275	62	209122	21.536	ug/L	100
6) Bromomethane	1.481	94	137795	22.411	ug/L	100
8) Chloroethane	1.545	64	144365	24.117	ug/L	99
9) Trichlorofluoromethane	1.706	101	295866	23.343	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	210699	26.347	ug/L	99
12) 1,1-Dichloroethene	2.063	96	185137	25.631	ug/L	90
13) Acetone	2.153	43	72175m	24.411	ug/L	
14) Carbon disulfide	2.233	76	428533	18.731	ug/L	99
15) Methyl Acetate	2.388	43	82472	18.411	ug/L #	90
16) Methylene chloride	2.442	84	244436	23.020	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	189451	23.626	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	500585	25.879	ug/L	99
19) 1,1-Dichloroethane	3.105	63	407291	27.093	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	212833	24.483	ug/L	99
22) 2-Butanone	3.915	43	89669m	32.658	ug/L	
23) Bromochloromethane	4.143	128	112339	26.719	ug/L	98
25) Chloroform	4.269	83	443338	28.559	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	263938	27.304	ug/L	99
29) Cyclohexane	4.577	56	227033	19.500	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	350492	25.963	ug/L	100
31) Carbon tetrachloride	4.728	117	297249	25.096	ug/L	100
33) Benzene	5.005	78	844127	26.197	ug/L	100
34) Trichloroethene	5.828	95	235344	25.820	ug/L	97
35) Methylcyclohexane	6.047	83	281134	20.316	ug/L	98
37) 1,2-Dichloropropane	6.088	63	240346	28.589	ug/L	99
38) Bromodichloromethane	6.429	83	320211	28.116	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	311576	23.695	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	240839	47.834	ug/L	96
42) Toluene	7.313	91	916612	26.880	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	284713	24.752	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	198930	27.849	ug/L	99
46) Tetrachloroethene	7.902	164	169196	22.849	ug/L	99
48) 2-Hexanone	8.079	43	153050	40.542	ug/L	97
49) Dibromochloromethane	8.172	129	226204	28.064	ug/L	100
50) 1,2-Dibromoethane	8.281	107	184023	26.150	ug/L	99
51) Chlorobenzene	8.812	112	612222	25.874	ug/L	99
52) Ethylbenzene	8.944	91	971530	25.804	ug/L	100
53) m,p-Xylene	9.069	106	375592	26.294	ug/L	100
54) o-Xylene	9.477	106	362410	26.769	ug/L	100
55) Styrene	9.493	104	690701	29.250	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	197049	22.646	ug/L	99
59) Bromoform	9.664	173	146264	28.631	ug/L	100
60) Isopropylbenzene	9.866	105	984271	28.425	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	168825	27.715	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	787441	28.988	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	802791	28.759	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	503456	27.704	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	515152	27.383	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	477668	27.924	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	33686	23.844	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	317231	22.339	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	235598	19.868	ug/L	99
71) Naphthalene	13.439	128	394728	18.962	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	240747	22.569	ug/L	99

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

