

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053024\
 Data File : VW035912.D
 Acq On : 30 May 2024 21:43
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025386

Quant Time: May 31 00:56:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:49:35 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda

06/03/2024
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	467880	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	477967	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	251433	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.272	65	217136	25.243	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.960%
7) Chloroethane-d5	1.526	69	176707	25.763	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.040%
11) 1,1-Dichloroethene-d2	2.050	65	92731	24.216	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.880%
21) 2-Butanone-d5	3.841	46	91527m	46.375	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.760%
24) Chloroform-d	4.243	84	380362	25.571	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.280%
26) 1,2-Dichloroethane-d4	4.937	65	196451	25.189	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.760%
32) Benzene-d6	4.953	84	751396	26.447	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.800%
36) 1,2-Dichloropropane-d6	5.985	67	228327	25.520	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.080%
41) Toluene-d8	7.239	98	678637	27.071	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.280%
43) trans-1,3-Dichloroprop...	7.551	79	92253	25.147	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.600%
47) 2-Hexanone-d5	8.030	63	62744	51.760	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.520%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	157978	23.629	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.520%
66) 1,2-Dichlorobenzene-d4	11.558	152	227687	24.694	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.760%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	187226	22.193	ug/L	99
3) Chloromethane	1.211	50	218460	22.564	ug/L	100
5) Vinyl chloride	1.278	62	230494	22.614	ug/L	99
6) Bromomethane	1.484	94	142934	22.605	ug/L	100
8) Chloroethane	1.545	64	144370	22.788	ug/L	100
9) Trichlorofluoromethane	1.706	101	284659	22.489	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	190096	23.664	ug/L	98
12) 1,1-Dichloroethene	2.063	96	175388	23.409	ug/L	96
13) Acetone	2.159	43	79483m	25.854	ug/L	
14) Carbon disulfide	2.233	76	588811	22.631	ug/L	100
15) Methyl Acetate	2.387	43	82463	21.580	ug/L	95
16) Methylene chloride	2.442	84	246934	23.324	ug/L	100
17) trans-1,2-Dichloroethene	2.686	96	183176	23.015	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	421090	23.567	ug/L	100
19) 1,1-Dichloroethane	3.104	63	354483	23.388	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	181620	22.710	ug/L	97
22) 2-Butanone	3.921	43	97035m	37.198	ug/L	
23) Bromochloromethane	4.143	128	97921	24.410	ug/L	98
25) Chloroform	4.268	83	368953	23.664	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	230226	23.652	ug/L	100
29) Cyclohexane	4.577	56	252290	22.169	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	294427	22.532	ug/L	98
31) Carbon tetrachloride	4.728	117	259232	22.614	ug/L	100
33) Benzene	5.005	78	761607	24.363	ug/L	100
34) Trichloroethene	5.828	95	223026	23.278	ug/L	98
35) Methylcyclohexane	6.046	83	304658	22.994	ug/L	99
37) 1,2-Dichloropropane	6.088	63	199961	24.361	ug/L	100
38) Bromodichloromethane	6.429	83	258215	23.767	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	281332	22.915	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	211885	47.512	ug/L	100
42) Toluene	7.310	91	789365	24.712	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	252662	23.826	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	160531	23.636	ug/L	98
46) Tetrachloroethene	7.902	164	153741	21.941	ug/L	99
48) 2-Hexanone	8.079	43	141100	40.471	ug/L	96
49) Dibromochloromethane	8.172	129	175794	23.650	ug/L	99
50) 1,2-Dibromoethane	8.281	107	154561	23.717	ug/L	100
51) Chlorobenzene	8.812	112	500528	22.998	ug/L	99
52) Ethylbenzene	8.943	91	809003	23.672	ug/L	100
53) m,p-Xylene	9.069	106	311138	24.229	ug/L	100
54) o-Xylene	9.477	106	289890	23.938	ug/L	96
55) Styrene	9.493	104	542719	25.414	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	132344	21.762	ug/L	97
59) Bromoform	9.664	173	115069	24.268	ug/L	99
60) Isopropylbenzene	9.863	105	776395	24.069	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	141143	23.735	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	547607	23.411	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	606266	24.056	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	388863	22.955	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	404259	23.120	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	373342	23.420	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	30062	22.607	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	270175	21.321	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	205288	20.576	ug/L	100
71) Naphthalene	13.435	128	342911	21.060	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	199161	21.875	ug/L	98

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

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