

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050924\
 Data File : VW035561.D
 Acq On : 09 May 2024 08:57
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025357

Quant Time: May 10 00:28:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/10/2024
 Supervised By :Semsettin Yesilyurt 05/10/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	424601	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	435899	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	248215	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	129142	19.678	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.720%
7) Chloroethane-d5	1.529	69	108676	20.527	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.120%
11) 1,1-Dichloroethene-d2	2.053	65	59317	20.416	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.680%
21) 2-Butanone-d5	3.854	46	86767m	46.588	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.180%
24) Chloroform-d	4.243	84	278945	22.098	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	4.937	65	132515	21.235	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.920%
32) Benzene-d6	4.953	84	503164	21.087	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.360%
36) 1,2-Dichloropropane-d6	5.986	67	155428	21.107	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.440%
41) Toluene-d8	7.240	98	453687	21.364	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.440%
43) trans-1,3-Dichloroprop...	7.551	79	64811	20.580	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.320%
47) 2-Hexanone-d5	8.031	63	56435	42.621	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.240%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	153161	21.585	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.360%
66) 1,2-Dichlorobenzene-d4	11.558	152	177578	20.615	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	205962	23.859	ug/L	100
3) Chloromethane	1.211	50	185881	21.447	ug/L	98
5) Vinyl chloride	1.278	62	211315	23.600	ug/L	99
6) Bromomethane	1.484	94	128875	22.731	ug/L	99
8) Chloroethane	1.545	64	134728	24.409	ug/L	99
9) Trichlorofluoromethane	1.709	101	297521	25.456	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	194657	26.397	ug/L	100
12) 1,1-Dichloroethene	2.063	96	166443	24.989	ug/L	97
13) Acetone	2.156	43	115709m	42.441	ug/L	
14) Carbon disulfide	2.233	76	455029	21.569	ug/L	99
15) Methyl Acetate	2.384	43	92496m	22.393	ug/L	
16) Methylene chloride	2.442	84	210083	21.456	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	178359	24.121	ug/L	98
18) Methyl tert-butyl Ether	2.700	73	438495	24.584	ug/L	99
19) 1,1-Dichloroethane	3.105	63	353678	25.514	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	191824	23.930	ug/L	97
22) 2-Butanone	3.915	43	114766m	45.329	ug/L	
23) Bromochloromethane	4.140	128	93662	24.158	ug/L	98
25) Chloroform	4.269	83	368999	25.778	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	223093	25.028	ug/L	100
29) Cyclohexane	4.574	56	258387	24.788	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	317940	26.306	ug/L	100
31) Carbon tetrachloride	4.728	117	281627	26.557	ug/L	99
33) Benzene	5.002	78	739708	25.640	ug/L	100
34) Trichloroethene	5.828	95	207434	25.419	ug/L	97
35) Methylcyclohexane	6.043	83	308034	24.863	ug/L	99
37) 1,2-Dichloropropane	6.088	63	197695	26.265	ug/L	99
38) Bromodichloromethane	6.429	83	260162	25.515	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	290570	24.682	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	212541	47.150	ug/L	99
42) Toluene	7.310	91	799403	26.184	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	260259	25.272	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	163796	25.612	ug/L	99
46) Tetrachloroethene	7.899	164	164672	24.838	ug/L	97
48) 2-Hexanone	8.079	43	151396	44.794	ug/L	98
49) Dibromochloromethane	8.172	129	185754	25.741	ug/L	100
50) 1,2-Dibromoethane	8.278	107	155726	24.717	ug/L	99
51) Chlorobenzene	8.809	112	531952	25.110	ug/L	99
52) Ethylbenzene	8.944	91	884425	26.237	ug/L	99
53) m,p-Xylene	9.069	106	337866	26.419	ug/L	100
54) o-Xylene	9.474	106	317929	26.230	ug/L	99
55) Styrene	9.493	104	573528	27.128	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	184722	23.711	ug/L	100
59) Bromoform	9.661	173	123515	25.321	ug/L	99
60) Isopropylbenzene	9.863	105	894437	27.052	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	145490	25.014	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	710958	27.410	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	710564	26.658	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	438287	25.259	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	444588	24.750	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	405229	24.809	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	33923	25.147	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	328145	24.200	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	267885	23.660	ug/L	100
71) Naphthalene	13.435	128	437399	22.005	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	247692	24.318	ug/L	98

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

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