

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052824\
 Data File : VW035856.D
 Acq On : 28 May 2024 18:59
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025382

Quant Time: May 29 02:31:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 02:22:14 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024
 Supervised By :Semsettin Yesilyurt 05/30/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	476624	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	495631	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	276123	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	172306	23.390	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.560%
7) Chloroethane-d5	1.529	69	148436	24.976	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.920%
11) 1,1-Dichloroethene-d2	2.053	65	76874	23.571	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.280%
21) 2-Butanone-d5	3.841	46	96736	46.271	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.540%
24) Chloroform-d	4.243	84	348969	24.628	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.520%
26) 1,2-Dichloroethane-d4	4.941	65	184541	26.344	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.360%
32) Benzene-d6	4.957	84	670781	24.724	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.880%
36) 1,2-Dichloropropane-d6	5.986	67	210867	25.185	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.760%
41) Toluene-d8	7.240	98	617289	25.565	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.240%
43) trans-1,3-Dichloroprop...	7.551	79	88182	24.626	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.520%
47) 2-Hexanone-d5	8.031	63	65739	43.664	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.320%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	148286	18.379	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.520%
66) 1,2-Dichlorobenzene-d4	11.558	152	231728	24.182	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	145535	15.019	ug/L	98
3) Chloromethane	1.211	50	157471	16.186	ug/L	98
5) Vinyl chloride	1.278	62	170947	17.008	ug/L	99
6) Bromomethane	1.484	94	111362	17.498	ug/L	99
8) Chloroethane	1.545	64	119280	19.251	ug/L	99
9) Trichlorofluoromethane	1.709	101	244977	18.673	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	162446	19.625	ug/L	99
12) 1,1-Dichloroethene	2.063	96	145301	19.434	ug/L	86
13) Acetone	2.153	43	110883m	36.232	ug/L	
14) Carbon disulfide	2.233	76	335040	14.148	ug/L	100
15) Methyl Acetate	2.384	43	98448	21.233	ug/L	93
16) Methylene chloride	2.442	84	213860	19.458	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	160971	19.393	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	485854	24.266	ug/L	97
19) 1,1-Dichloroethane	3.108	63	363170	23.339	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	192060	21.345	ug/L	95
22) 2-Butanone	3.912	43	129595m	45.599	ug/L	
23) Bromochloromethane	4.143	128	100830	23.169	ug/L	97
25) Chloroform	4.272	83	396958	24.704	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	250518	25.037	ug/L	99
29) Cyclohexane	4.577	56	189162	15.960	ug/L	98
30) 1,1,1-Trichloroethane	4.507	97	304562	22.162	ug/L	99
31) Carbon tetrachloride	4.728	117	251601	20.866	ug/L	99
33) Benzene	5.005	78	731447	22.298	ug/L	100
34) Trichloroethene	5.828	95	236824	25.523	ug/L	99
35) Methylcyclohexane	6.047	83	233213	16.555	ug/L	97
37) 1,2-Dichloropropane	6.092	63	216032	25.243	ug/L	99
38) Bromodichloromethane	6.429	83	289781	24.995	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	309760	23.141	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	268490	52.383	ug/L	97
42) Toluene	7.314	91	804392	23.172	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	284619	24.306	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	185217	25.471	ug/L	98
46) Tetrachloroethene	7.902	164	150377	19.948	ug/L	99
48) 2-Hexanone	8.079	43	188455	49.039	ug/L	99
49) Dibromochloromethane	8.172	129	206803	25.204	ug/L	100
50) 1,2-Dibromoethane	8.281	107	173215	24.179	ug/L	100
51) Chlorobenzene	8.812	112	541197	22.468	ug/L	99
52) Ethylbenzene	8.944	91	866918	22.618	ug/L	100
53) m,p-Xylene	9.072	106	329213	22.640	ug/L	98
54) o-Xylene	9.477	106	316210	22.944	ug/L	98
55) Styrene	9.493	104	611136	25.424	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	143385	16.187	ug/L	99
59) Bromoform	9.664	173	136466	25.148	ug/L	99
60) Isopropylbenzene	9.863	105	878880	23.895	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	173239	26.774	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	707045	24.504	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	725846	24.479	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	464315	24.054	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	478073	23.924	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	450177	24.775	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.362	75	38955	25.959	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	342889	22.732	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	288701	22.921	ug/L	100
71) Naphthalene	13.435	128	517138	23.387	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	283870	25.053	ug/L	98

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

