

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050624\
 Data File : VW035543.D
 Acq On : 06 May 2024 18:32
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025352

Quant Time: May 08 02:07:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 01:49:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/08/2024
 Supervised By :Semsettin
 Yesilvurt 05/08/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	451987	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	471901	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	276555	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	139171	19.921	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.680%
7) Chloroethane-d5	1.529	69	116809	20.726	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.920%
11) 1,1-Dichloroethene-d2	2.053	65	62544	20.222	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.880%
21) 2-Butanone-d5	3.844	46	101212m	51.051	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.100%
24) Chloroform-d	4.246	84	303249	22.568	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.280%
26) 1,2-Dichloroethane-d4	4.941	65	150014	22.583	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.320%
32) Benzene-d6	4.957	84	554857	21.480	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.920%
36) 1,2-Dichloropropane-d6	5.986	67	170944	21.444	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.760%
41) Toluene-d8	7.240	98	511400	22.244	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.960%
43) trans-1,3-Dichloroprop...	7.551	79	76150	22.336	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.360%
47) 2-Hexanone-d5	8.031	63	70678	49.306	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.620%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	185863	24.195	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	11.558	152	205949	21.458	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	221833	24.140	ug/L	99
3) Chloromethane	1.211	50	204816	22.200	ug/L	98
5) Vinyl chloride	1.278	62	227141	23.830	ug/L	100
6) Bromomethane	1.484	94	141909	23.513	ug/L	99
8) Chloroethane	1.545	64	145468	24.758	ug/L	99
9) Trichlorofluoromethane	1.709	101	319925	25.715	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	208692	26.586	ug/L	99
12) 1,1-Dichloroethene	2.063	96	178307	25.148	ug/L	92
13) Acetone	2.159	43	110849m	38.195	ug/L	
14) Carbon disulfide	2.233	76	497010	22.131	ug/L	100
15) Methyl Acetate	2.384	43	108890m	24.765	ug/L	
16) Methylene chloride	2.442	84	229406	22.010	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	197891	25.141	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	519727	27.373	ug/L	100
19) 1,1-Dichloroethane	3.108	63	387359	26.250	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	218399	25.595	ug/L	99
22) 2-Butanone	3.915	43	129312m	47.980	ug/L	
23) Bromochloromethane	4.143	128	111060	26.910	ug/L	96
25) Chloroform	4.272	83	398506	26.153	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	256566	27.039	ug/L	99
29) Cyclohexane	4.577	56	289541	25.658	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	344175	26.304	ug/L	100
31) Carbon tetrachloride	4.732	117	304172	26.495	ug/L	99
33) Benzene	5.005	78	817369	26.171	ug/L	100
34) Trichloroethene	5.831	95	227408	25.741	ug/L	97
35) Methylcyclohexane	6.047	83	346595	25.841	ug/L	99
37) 1,2-Dichloropropane	6.089	63	222143	27.262	ug/L	100
38) Bromodichloromethane	6.429	83	293468	26.586	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	340841	26.743	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	264523	54.204	ug/L	99
42) Toluene	7.314	91	890943	26.956	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	304195	27.284	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	190503	27.515	ug/L	99
46) Tetrachloroethene	7.902	164	186052	25.922	ug/L	99
48) 2-Hexanone	8.079	43	184781	50.500	ug/L	98
49) Dibromochloromethane	8.175	129	214479	27.454	ug/L	100
50) 1,2-Dibromoethane	8.281	107	182713	26.788	ug/L	98
51) Chlorobenzene	8.812	112	597662	26.060	ug/L	99
52) Ethylbenzene	8.944	91	988432	27.086	ug/L	100
53) m,p-Xylene	9.069	106	380876	27.510	ug/L	100
54) o-Xylene	9.477	106	359891	27.426	ug/L	99
55) Styrene	9.494	104	663722	29.000	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	232651	27.585	ug/L	100
59) Bromoform	9.664	173	146549	26.964	ug/L	100
60) Isopropylbenzene	9.863	105	1015568	27.568	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	174461	26.921	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	826076	28.585	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	820504	27.629	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	501489	25.939	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	514065	25.685	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	472442	25.960	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	41294	27.475	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	388366	25.707	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	321908	25.517	ug/L	99
71) Naphthalene	13.435	128	559200	25.250	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	293015	25.819	ug/L	99

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

