

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052224\
 Data File : VW035686.D
 Acq On : 22 May 2024 19:18
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025371

Quant Time: May 23 02:27:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 23 02:17:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024
 Supervised By :Mahesh Dadoda 05/27/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	483750	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	500788	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	271162	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	110747	14.812	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.240%
7) Chloroethane-d5	1.526	69	104626	17.345	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.400%
11) 1,1-Dichloroethene-d2	2.050	65	54055	16.330	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.320%
21) 2-Butanone-d5	3.834	46	115440m	54.404	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.800%
24) Chloroform-d	4.246	84	303310	21.090	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.360%
26) 1,2-Dichloroethane-d4	4.940	65	155321	21.846	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.400%
32) Benzene-d6	4.957	84	515452	18.803	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.200%
36) 1,2-Dichloropropane-d6	5.989	67	175875	20.789	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.160%
41) Toluene-d8	7.243	98	463373	18.993	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.960%
43) trans-1,3-Dichloroprop...	7.554	79	69050	19.085	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.320%
47) 2-Hexanone-d5	8.030	63	71195	46.801	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.600%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	183405	22.498	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.000%
66) 1,2-Dichlorobenzene-d4	11.558	152	194721	20.692	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	165229	16.800	ug/L	100
3) Chloromethane	1.211	50	166140	16.825	ug/L	99
5) Vinyl chloride	1.278	62	180621	17.705	ug/L	99
6) Bromomethane	1.484	94	116236	17.995	ug/L	98
8) Chloroethane	1.545	64	119608	19.020	ug/L	97
9) Trichlorofluoromethane	1.706	101	255570	19.193	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	166957	19.873	ug/L	99
12) 1,1-Dichloroethene	2.063	96	145191	19.133	ug/L	98
13) Acetone	2.150	43	85547	27.541	ug/L	96
14) Carbon disulfide	2.233	76	372908	15.515	ug/L	99
15) Methyl Acetate	2.384	43	89230	18.961	ug/L	93
16) Methylene chloride	2.442	84	216836	19.438	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	162368	19.274	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	451758	22.231	ug/L	98
19) 1,1-Dichloroethane	3.108	63	340174	21.539	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	179337	19.637	ug/L	97
22) 2-Butanone	3.905	43	113026m	39.183	ug/L	
23) Bromochloromethane	4.143	128	96263	21.793	ug/L	97
25) Chloroform	4.272	83	366360	22.464	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	231067	22.753	ug/L	99
29) Cyclohexane	4.577	56	201364	16.815	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	291829	21.017	ug/L	100
31) Carbon tetrachloride	4.731	117	250381	20.551	ug/L	99
33) Benzene	5.005	78	703179	21.216	ug/L	100
34) Trichloroethene	5.831	95	205653	21.936	ug/L	99
35) Methylcyclohexane	6.047	83	245527	17.250	ug/L	97
37) 1,2-Dichloropropane	6.092	63	204254	23.621	ug/L	100
38) Bromodichloromethane	6.432	83	266266	22.730	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	279198	20.643	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	242386	46.803	ug/L	98
42) Toluene	7.313	91	758278	21.618	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	256202	21.654	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	172337	23.456	ug/L	99
46) Tetrachloroethene	7.905	164	147344	19.345	ug/L	99
48) 2-Hexanone	8.079	43	169169	43.567	ug/L	98
49) Dibromochloromethane	8.175	129	190118	22.932	ug/L	99
50) 1,2-Dibromoethane	8.281	107	161932	22.372	ug/L	100
51) Chlorobenzene	8.812	112	517391	21.259	ug/L	99
52) Ethylbenzene	8.944	91	812139	20.971	ug/L	99
53) m,p-Xylene	9.072	106	311246	21.184	ug/L	100
54) o-Xylene	9.477	106	299043	21.475	ug/L	99
55) Styrene	9.493	104	568063	23.388	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.178	83	178427	19.936	ug/L	98
59) Bromoform	9.664	173	127697	23.963	ug/L	99
60) Isopropylbenzene	9.866	105	806963	22.341	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	157354	24.764	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	645561	22.783	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	657106	22.567	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	422388	22.282	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	439029	22.372	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	403066	22.589	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	35473	24.071	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	302541	20.424	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	245234	19.826	ug/L	100
71) Naphthalene	13.438	128	429025	19.757	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	244443	21.968	ug/L	99

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

Manual Integrations

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