

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060624\
 Data File : VV036000.D
 Acq On : 06 Jun 2024 20:27
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025394

Quant Time: Jun 08 02:23:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 00:30:25 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/10/2024
 Supervised By :Semsettin Yesilyurt 06/10/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	354451	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	334737	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	166325	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	147333	22.609	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	90.440%		
7) Chloroethane-d5	1.529	69	118201	22.748	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.000%		
11) 1,1-Dichloroethene-d2	2.053	65	63671	21.948	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	87.800%		
21) 2-Butanone-d5	3.809	46	60940	40.759	ug/L	-0.04
Spiked Amount 50.000	Range 20 - 135		Recovery =	81.520%		
24) Chloroform-d	4.246	84	235668	20.913	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	83.640%		
26) 1,2-Dichloroethane-d4	4.941	65	113480	19.207	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	76.840%		
32) Benzene-d6	4.957	84	476297	23.938	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	95.760%		
36) 1,2-Dichloropropane-d6	5.989	67	140496	22.422	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	89.680%		
41) Toluene-d8	7.239	98	423969	24.149	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	96.600%		
43) trans-1,3-Dichloroprop...	7.555	79	53404	20.786	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	83.160%		
47) 2-Hexanone-d5	8.030	63	39132	46.095	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	92.180%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	95287	20.350	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	81.400%		
66) 1,2-Dichlorobenzene-d4	11.558	152	138883	22.770	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	91.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	141343	22.116	ug/L	98
3) Chloromethane	1.214	50	160294	21.855	ug/L	99
5) Vinyl chloride	1.278	62	185049	23.965	ug/L	100
6) Bromomethane	1.484	94	103563	21.620	ug/L	98
8) Chloroethane	1.545	64	111887	23.312	ug/L	98
9) Trichlorofluoromethane	1.709	101	235600	24.569	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	146373	24.052	ug/L	99
12) 1,1-Dichloroethene	2.066	96	132793	23.396	ug/L	95
13) Acetone	2.124	43	71666m	30.771	ug/L	
14) Carbon disulfide	2.236	76	433894	22.013	ug/L	99
15) Methyl Acetate	2.378	43	58921	20.354	ug/L	96
16) Methylene chloride	2.442	84	163488	20.384	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	135373	22.452	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	276987	20.463	ug/L	99
19) 1,1-Dichloroethane	3.108	63	257467	22.423	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	134584	22.214	ug/L	99
22) 2-Butanone	3.892	43	65397	33.092	ug/L #	77
23) Bromochloromethane	4.146	128	62199	20.467	ug/L	97
25) Chloroform	4.272	83	251124	21.261	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	150101	20.355	ug/L	99
29) Cyclohexane	4.577	56	216247	27.133	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	230991	25.242	ug/L	99
31) Carbon tetrachloride	4.728	117	204215	25.437	ug/L	100
33) Benzene	5.008	78	539923	24.662	ug/L	100
34) Trichloroethene	5.831	95	163898	24.427	ug/L	99
35) Methylcyclohexane	6.047	83	241943	26.074	ug/L	99
37) 1,2-Dichloropropane	6.092	63	136571	23.757	ug/L	100
38) Bromodichloromethane	6.432	83	171201	22.501	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	185908	21.622	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	146866	47.024	ug/L	99
42) Toluene	7.313	91	556379	24.871	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	162378	21.864	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	103230	21.703	ug/L	100
46) Tetrachloroethene	7.902	164	115341	23.504	ug/L	99
48) 2-Hexanone	8.079	43	97544	39.949	ug/L	97
49) Dibromochloromethane	8.175	129	111302	21.381	ug/L	100
50) 1,2-Dibromoethane	8.281	107	97749	21.418	ug/L	96
51) Chlorobenzene	8.812	112	344485	22.601	ug/L	100
52) Ethylbenzene	8.944	91	580289	24.245	ug/L	100
53) m,p-Xylene	9.072	106	218132	24.255	ug/L	100
54) o-Xylene	9.477	106	201594	23.770	ug/L	97
55) Styrene	9.493	104	356980	23.869	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	89803	21.085	ug/L	99
59) Bromoform	9.664	173	72368	23.072	ug/L	99
60) Isopropylbenzene	9.863	105	566290	26.538	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	93802	23.846	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	380072	24.563	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	407125	24.421	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	258476	23.066	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	261282	22.589	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	233660	22.158	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	21481	24.420	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	172637	20.595	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	138729	21.019	ug/L	99
71) Naphthalene	13.439	128	254998	23.674	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	131759	21.877	ug/L	98

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

