

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052124\
 Data File : VW035659.D
 Acq On : 21 May 2024 23:18
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025369

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/24/2024
 Supervised By :Semsettin Yesilyurt 05/24/2024

Quant Time: May 22 02:41:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 02:35:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	295190	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	317903	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	184782	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	100270	21.977	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	87.920%		
7) Chloroethane-d5	1.529	69	87985	23.904	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	95.600%		
11) 1,1-Dichloroethene-d2	2.053	65	46452	22.997	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	92.000%		
21) 2-Butanone-d5	3.844	46	86295m	66.647	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	133.300%		
24) Chloroform-d	4.246	84	233439	26.600	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	106.400%		
26) 1,2-Dichloroethane-d4	4.941	65	115858	26.705	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	106.800%		
32) Benzene-d6	4.957	84	404209	23.228	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	92.920%		
36) 1,2-Dichloropropane-d6	5.989	67	130650	24.328	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	97.320%		
41) Toluene-d8	7.239	98	363102	23.445	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	93.760%		
43) trans-1,3-Dichloroprop...	7.555	79	50397	21.943	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	87.760%		
47) 2-Hexanone-d5	8.030	63	55596	57.572	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	115.140%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	139199	26.899	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	107.600%		
66) 1,2-Dichlorobenzene-d4	11.558	152	146128	22.787	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	91.160%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	167950	27.985	ug/L	99
3) Chloromethane	1.211	50	158333	26.277	ug/L	100
5) Vinyl chloride	1.278	62	175698	28.224	ug/L	100
6) Bromomethane	1.484	94	107124	27.178	ug/L	99
8) Chloroethane	1.545	64	112860	29.411	ug/L	99
9) Trichlorofluoromethane	1.709	101	250880	30.876	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	166065	32.393	ug/L	99
12) 1,1-Dichloroethene	2.063	96	139365	30.097	ug/L	96
13) Acetone	2.153	43	78257m	41.288	ug/L	
14) Carbon disulfide	2.233	76	365829	24.943	ug/L	99
15) Methyl Acetate	2.388	43	82466	28.717	ug/L #	89
16) Methylene chloride	2.442	84	192321	28.253	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	150904	29.355	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	386965	31.206	ug/L	99
19) 1,1-Dichloroethane	3.108	63	306968	31.852	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	158317	28.409	ug/L	97
22) 2-Butanone	3.915	43	99882m	56.745	ug/L	
23) Bromochloromethane	4.146	128	82005	30.425	ug/L	98
25) Chloroform	4.272	83	320045	32.160	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	202345	32.652	ug/L	98
29) Cyclohexane	4.577	56	199855	26.289	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	274467	31.138	ug/L	99
31) Carbon tetrachloride	4.732	117	238904	30.890	ug/L	100
33) Benzene	5.005	78	632299	30.052	ug/L	100
34) Trichloroethene	5.831	95	186733	31.376	ug/L	99
35) Methylcyclohexane	6.047	83	242142	26.799	ug/L	97
37) 1,2-Dichloropropane	6.092	63	178874	32.586	ug/L	100
38) Bromodichloromethane	6.429	83	229953	30.923	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	227651	26.515	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	217148	66.052	ug/L	98
42) Toluene	7.313	91	679639	30.523	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	210842	28.072	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	148830	31.909	ug/L	99
46) Tetrachloroethene	7.902	164	138034	28.548	ug/L	99
48) 2-Hexanone	8.079	43	150806	61.180	ug/L	98
49) Dibromochloromethane	8.175	129	165647	31.474	ug/L	98
50) 1,2-Dibromoethane	8.281	107	144082	31.357	ug/L	99
51) Chlorobenzene	8.812	112	445210	28.816	ug/L	99
52) Ethylbenzene	8.944	91	721964	29.367	ug/L	100
53) m,p-Xylene	9.072	106	278490	29.858	ug/L	100
54) o-Xylene	9.477	106	261359	29.566	ug/L	98
55) Styrene	9.493	104	495314	32.125	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	161820	28.481	ug/L	99
59) Bromoform	9.664	173	111753	30.774	ug/L	99
60) Isopropylbenzene	9.866	105	739917	30.060	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	146357	33.801	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	572114	29.629	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	579393	29.199	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	365926	28.328	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	374980	28.041	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	344348	28.319	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	32770	32.632	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	258661	25.624	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	202657	24.043	ug/L	98
71) Naphthalene	13.435	128	394216	26.641	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	208982	27.560	ug/L	99

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

