

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052124\
 Data File : VW035637.D
 Acq On : 21 May 2024 14:09
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025368

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: May 22 02:21:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 02:19:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	358517	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	382809	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	225956	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	118558	21.395	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.600%
7) Chloroethane-d5	1.529	69	106552	23.835	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.360%
11) 1,1-Dichloroethene-d2	2.053	65	55217	22.508	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.040%
21) 2-Butanone-d5	3.838	46	99133	63.039	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.080%
24) Chloroform-d	4.246	84	289908	27.200	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.800%
26) 1,2-Dichloroethane-d4	4.941	65	145712	27.654	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.600%
32) Benzene-d6	4.957	84	513587	24.509	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.040%
36) 1,2-Dichloropropane-d6	5.986	67	169959	26.282	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.120%
41) Toluene-d8	7.240	98	462478	24.798	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.200%
43) trans-1,3-Dichloroprop...	7.555	79	69225	25.030	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.120%
47) 2-Hexanone-d5	8.031	63	69410	59.690	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.380%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	172179	27.631	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.520%
66) 1,2-Dichlorobenzene-d4	11.558	152	194414	24.792	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.160%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	168074	23.059	ug/L	99
3) Chloromethane	1.211	50	168865	23.075	ug/L	99
5) Vinyl chloride	1.278	62	182451	24.132	ug/L	99
6) Bromomethane	1.484	94	116821	24.403	ug/L	100
8) Chloroethane	1.545	64	118328	25.389	ug/L	98
9) Trichlorofluoromethane	1.709	101	252564	25.593	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	169211	27.176	ug/L	99
12) 1,1-Dichloroethene	2.063	96	144184	25.637	ug/L	90
13) Acetone	2.156	43	105892m	46.000	ug/L	
14) Carbon disulfide	2.233	76	377869	21.213	ug/L	99
15) Methyl Acetate	2.384	43	81586	23.392	ug/L #	90
16) Methylene chloride	2.442	84	203639	24.632	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	158543	25.393	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	424905	28.213	ug/L	99
19) 1,1-Dichloroethane	3.108	63	328895	28.099	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	176174	26.029	ug/L	98
22) 2-Butanone	3.912	43	107230m	50.159	ug/L	
23) Bromochloromethane	4.143	128	89891	27.459	ug/L	98
25) Chloroform	4.272	83	345514	28.586	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	214675	28.523	ug/L	99
29) Cyclohexane	4.577	56	212803	23.246	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	286485	26.990	ug/L	99
31) Carbon tetrachloride	4.732	117	244697	26.275	ug/L	100
33) Benzene	5.005	78	687234	27.125	ug/L	100
34) Trichloroethene	5.831	95	197023	27.492	ug/L	98
35) Methylcyclohexane	6.047	83	255686	23.500	ug/L	97
37) 1,2-Dichloropropane	6.088	63	188289	28.485	ug/L	100
38) Bromodichloromethane	6.429	83	249104	27.819	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	266022	25.730	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	228355	57.683	ug/L	98
42) Toluene	7.313	91	735575	27.434	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	247285	27.342	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	160285	28.539	ug/L	99
46) Tetrachloroethene	7.902	164	147893	25.401	ug/L	100
48) 2-Hexanone	8.079	43	164644	55.469	ug/L	98
49) Dibromochloromethane	8.175	129	176563	27.860	ug/L	99
50) 1,2-Dibromoethane	8.281	107	152073	27.485	ug/L	100
51) Chlorobenzene	8.812	112	493749	26.539	ug/L	100
52) Ethylbenzene	8.944	91	801081	27.060	ug/L	99
53) m,p-Xylene	9.069	106	303276	27.003	ug/L	98
54) o-Xylene	9.477	106	292073	27.438	ug/L	99
55) Styrene	9.493	104	541994	29.192	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	173734	25.394	ug/L	99
59) Bromoform	9.664	173	117158	26.384	ug/L	99
60) Isopropylbenzene	9.863	105	805792	26.771	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	149645	28.262	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	648769	27.476	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	656328	27.049	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	413642	26.187	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	426166	26.061	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	394829	26.554	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	34481	28.079	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	307905	24.945	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	253181	24.564	ug/L	99
71) Naphthalene	13.435	128	433347	23.949	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	241464	26.041	ug/L	99

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

