

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061724\
 Data File : VW036107.D
 Acq On : 17 Jun 2024 18:52
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025288

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: Jun 18 02:54:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:10:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	377757	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	393555	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	216721	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	189457	27.279	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 109.120%	
7) Chloroethane-d5	1.526	69	158756	28.668	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 114.680%	
11) 1,1-Dichloroethene-d2	2.047	65	84154	27.219	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 108.880%	
21) 2-Butanone-d5	3.815	46	108657	68.190	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 136.380%#	
24) Chloroform-d	4.243	84	362580	30.190	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 120.760%	
26) 1,2-Dichloroethane-d4	4.937	65	203941	32.388	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 129.560%	
32) Benzene-d6	4.953	84	689080	29.456	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 117.840%	
36) 1,2-Dichloropropane-d6	5.986	67	224186	30.431	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 121.720%#	
41) Toluene-d8	7.239	98	630529	30.547	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 122.200%	
43) trans-1,3-Dichloroprop...	7.551	79	94878	31.410	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 125.640%	
47) 2-Hexanone-d5	8.027	63	71470	71.604	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 143.200%#	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	170212	30.919	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 123.680%#	
66) 1,2-Dichlorobenzene-d4	11.558	152	233710	29.407	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 117.640%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	129687	19.040	ug/L	100
3) Chloromethane	1.211	50	167379	21.413	ug/L	98
5) Vinyl chloride	1.275	62	176709	21.473	ug/L	99
6) Bromomethane	1.481	94	114745	22.476	ug/L	99
8) Chloroethane	1.542	64	114048	22.296	ug/L	97
9) Trichlorofluoromethane	1.703	101	224663	21.983	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	139715	21.541	ug/L	99
12) 1,1-Dichloroethene	2.060	96	129622	21.428	ug/L	93
13) Acetone	2.137	43	92726m	37.357	ug/L	
14) Carbon disulfide	2.230	76	450605	21.451	ug/L	99
15) Methyl Acetate	2.381	43	78033	25.292	ug/L	98
16) Methylene chloride	2.439	84	338809	39.637	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	142815	22.225	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	368270	25.528	ug/L	98
19) 1,1-Dichloroethane	3.105	63	282112	23.054	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	152603	23.634	ug/L	99
22) 2-Butanone	3.902	43	100757m	47.840	ug/L	
23) Bromochloromethane	4.143	128	80216	24.767	ug/L	98
25) Chloroform	4.269	83	300507	23.872	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	204055	25.965	ug/L	100
29) Cyclohexane	4.574	56	186519	19.905	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	234690	21.813	ug/L	99
31) Carbon tetrachloride	4.728	117	199819	21.170	ug/L	100
33) Benzene	5.005	78	608034	23.622	ug/L	100
34) Trichloroethene	5.828	95	180093	22.829	ug/L	99
35) Methylcyclohexane	6.047	83	218591	20.037	ug/L	99
37) 1,2-Dichloropropane	6.088	63	160554	23.755	ug/L	99
38) Bromodichloromethane	6.429	83	217677	24.333	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	240508	23.792	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	193700	52.750	ug/L	99
42) Toluene	7.313	91	630292	23.964	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	218262	24.997	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	135193	24.175	ug/L	98
46) Tetrachloroethene	7.902	164	119440	20.701	ug/L	98
48) 2-Hexanone	8.079	43	135583	47.229	ug/L	97
49) Dibromochloromethane	8.175	129	150813	24.641	ug/L	99
50) 1,2-Dibromoethane	8.281	107	133523	24.884	ug/L	100
51) Chlorobenzene	8.812	112	412243	23.004	ug/L	100
52) Ethylbenzene	8.944	91	647203	23.000	ug/L	100
53) m,p-Xylene	9.072	106	247066	23.367	ug/L	99
54) o-Xylene	9.477	106	236569	23.725	ug/L	99
55) Styrene	9.493	104	449568	25.568	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	118235	23.612	ug/L	99
59) Bromoform	9.664	173	98814	24.177	ug/L	99
60) Isopropylbenzene	9.866	105	619174	22.269	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	124554	24.300	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	447050	22.173	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	506810	23.331	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	328000	22.463	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	347851	23.080	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	319412	23.246	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	29798	25.998	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	233659	21.393	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	197052	22.913	ug/L	100
71) Naphthalene	13.435	128	386151	27.514	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	198761	25.327	ug/L	98

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

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