

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071524\
 Data File : VW036518.D
 Acq On : 15 Jul 2024 10:22
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025323

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/16/2024
 Supervised By :Mahesh Dadoda 07/19/2024

Quant Time: Jul 16 01:20:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 13 04:06:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	273823	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	296506	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	177937	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	94247	24.024	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.080%		
7) Chloroethane-d5	1.526	69	84485	24.632	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	98.520%		
11) 1,1-Dichloroethene-d2	2.050	65	46763	23.213	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	92.840%		
21) 2-Butanone-d5	3.841	46	38717m	57.662	ug/L	-0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	115.320%		
24) Chloroform-d	4.243	84	200858	25.200	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	100.800%		
26) 1,2-Dichloroethane-d4	4.937	65	102374	25.897	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	103.600%		
32) Benzene-d6	4.953	84	355116	24.007	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	96.040%		
36) 1,2-Dichloropropane-d6	5.982	67	104362	23.673	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	94.680%		
41) Toluene-d8	7.240	98	344024	25.206	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	100.840%		
43) trans-1,3-Dichloroprop...	7.551	79	46224	25.219	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	100.880%		
47) 2-Hexanone-d5	8.031	63	26023	53.149	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	106.300%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	94282	25.393	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	101.560%		
66) 1,2-Dichlorobenzene-d4	11.558	152	139141	23.042	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.160%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.102	85	86959	21.913	ug/L	97
3) Chloromethane	1.211	50	71931	22.587	ug/L	99
5) Vinyl chloride	1.275	62	90983	23.218	ug/L	98
6) Bromomethane	1.481	94	73884	23.367	ug/L	99
8) Chloroethane	1.542	64	64771	23.892	ug/L	99
9) Trichlorofluoromethane	1.706	101	169160	24.321	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	115215	24.567	ug/L	99
12) 1,1-Dichloroethene	2.060	96	95766	23.675	ug/L	92
13) Acetone	2.150	43	60823m	64.072	ug/L	
14) Carbon disulfide	2.230	76	183806	20.238	ug/L	99
15) Methyl Acetate	2.388	43	34441	26.854	ug/L	96
16) Methylene chloride	2.439	84	112058	19.905	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	85634	23.295	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	219882	26.693	ug/L	100
19) 1,1-Dichloroethane	3.105	63	167605	25.189	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	93730	24.532	ug/L	99
22) 2-Butanone	3.915	43	49701m	62.362	ug/L	
23) Bromochloromethane	4.140	128	58308	26.870	ug/L	99
25) Chloroform	4.269	83	205933	26.065	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	121295	27.330	ug/L	98
29) Cyclohexane	4.574	56	78852	20.905	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	167955	24.367	ug/L	99
31) Carbon tetrachloride	4.728	117	147449	24.121	ug/L	100
33) Benzene	5.002	78	366123	24.952	ug/L	100
34) Trichloroethene	5.828	95	114397	24.500	ug/L	98
35) Methylcyclohexane	6.047	83	117826	22.111	ug/L	99
37) 1,2-Dichloropropane	6.088	63	97741	26.394	ug/L	100
38) Bromodichloromethane	6.429	83	151975	25.901	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	142473	24.950	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	92607	55.030	ug/L	97
42) Toluene	7.310	91	410792	26.421	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	137473	27.001	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	99206	27.187	ug/L	99
46) Tetrachloroethene	7.902	164	90682	24.020	ug/L	98
48) 2-Hexanone	8.079	43	75876	60.783	ug/L	99
49) Dibromochloromethane	8.172	129	119323	27.042	ug/L	100
50) 1,2-Dibromoethane	8.278	107	93887	27.415	ug/L	98
51) Chlorobenzene	8.809	112	294568	25.298	ug/L	99
52) Ethylbenzene	8.944	91	423373	25.385	ug/L	98
53) m,p-Xylene	9.069	106	173893	27.081	ug/L	100
54) o-Xylene	9.477	106	160877	26.315	ug/L	100
55) Styrene	9.493	104	322078	29.445	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	88476	26.553	ug/L	98
59) Bromoform	9.661	173	82275	26.089	ug/L	98
60) Isopropylbenzene	9.863	105	438253	24.654	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	81975	25.894	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	308977	24.271	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	352614	25.456	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	267641	25.469	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	279135	24.737	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	258298	25.578	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	18940	27.651	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	199427	24.509	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	160056	24.732	ug/L	99
71) Naphthalene	13.435	128	246072	25.318	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	166216	27.148	ug/L	99

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

