

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071724\
 Data File : VW036582.D
 Acq On : 17 Jul 2024 09:45
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025327

Quant Time: Jul 18 01:19:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 17 02:15:19 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 07/18/2024
 Supervised By :Mahesh Dadoda 07/19/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	276815	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	291430	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	171793	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	87541	22.074	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	88.280%		
7) Chloroethane-d5	1.529	69	78228	22.561	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	90.240%		
11) 1,1-Dichloroethene-d2	2.050	65	43981	21.596	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	86.400%		
21) 2-Butanone-d5	3.850	46	33306m	49.067	ug/L	0.02
Spiked Amount 50.000	Range 20 - 135		Recovery =	98.140%		
24) Chloroform-d	4.239	84	190873	23.689	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	94.760%		
26) 1,2-Dichloroethane-d4	4.934	65	91378	22.865	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	91.480%		
32) Benzene-d6	4.950	84	340451	23.416	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	93.680%		
36) 1,2-Dichloropropane-d6	5.982	67	98000	22.617	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	90.480%		
41) Toluene-d8	7.236	98	326281	24.322	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	97.280%		
43) trans-1,3-Dichloroprop...	7.548	79	41216	22.879	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	91.520%		
47) 2-Hexanone-d5	8.030	63	21955	45.621	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.240%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	81223	22.257	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	89.040%		
66) 1,2-Dichlorobenzene-d4	11.558	152	131369	22.533	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	90.120%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	86850	21.648	ug/L	99
3) Chloromethane	1.211	50	67791	21.057	ug/L	97
5) Vinyl chloride	1.278	62	88214	22.268	ug/L	99
6) Bromomethane	1.484	94	69242	21.662	ug/L	97
8) Chloroethane	1.545	64	60757	22.169	ug/L	100
9) Trichlorofluoromethane	1.706	101	167320	23.797	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	115396	24.340	ug/L	98
12) 1,1-Dichloroethene	2.063	96	95065	23.247	ug/L	80
13) Acetone	2.159	43	47523m	49.521	ug/L	
14) Carbon disulfide	2.233	76	173103	18.853	ug/L	99
15) Methyl Acetate	2.387	43	27681	21.350	ug/L	94
16) Methylene chloride	2.439	84	116883	20.538	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	86431	23.258	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	198864	23.881	ug/L	99
19) 1,1-Dichloroethane	3.101	63	160322	23.834	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	94905	24.571	ug/L	98
22) 2-Butanone	3.915	43	42498m	52.748	ug/L	
23) Bromochloromethane	4.140	128	55930	25.495	ug/L	95
25) Chloroform	4.265	83	199013	24.917	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	113527	25.304	ug/L	100
29) Cyclohexane	4.571	56	78334	21.129	ug/L	96
30) 1,1,1-Trichloroethane	4.500	97	165151	24.378	ug/L	99
31) Carbon tetrachloride	4.725	117	147052	24.475	ug/L	99
33) Benzene	5.002	78	351126	24.346	ug/L	100
34) Trichloroethene	5.825	95	110741	24.130	ug/L	98
35) Methylcyclohexane	6.043	83	118806	22.683	ug/L	98
37) 1,2-Dichloropropane	6.085	63	92183	25.327	ug/L	100
38) Bromodichloromethane	6.426	83	141020	24.452	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	136126	24.254	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	75495	45.643	ug/L	97
42) Toluene	7.310	91	403711	26.418	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	125742	25.127	ug/L	97
45) 1,1,2-Trichloroethane	7.763	97	89591	24.980	ug/L	97
46) Tetrachloroethene	7.899	164	92029	24.801	ug/L	99
48) 2-Hexanone	8.079	43	56220	45.822	ug/L	98
49) Dibromochloromethane	8.172	129	110584	25.498	ug/L	99
50) 1,2-Dibromoethane	8.278	107	84202	25.015	ug/L	99
51) Chlorobenzene	8.808	112	288372	25.197	ug/L	99
52) Ethylbenzene	8.940	91	423005	25.804	ug/L	100
53) m,p-Xylene	9.069	106	170643	27.038	ug/L	97
54) o-Xylene	9.474	106	159873	26.606	ug/L	97
55) Styrene	9.490	104	308629	28.707	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	77792	23.753	ug/L	98
59) Bromoform	9.661	173	72043	23.662	ug/L	98
60) Isopropylbenzene	9.863	105	438104	25.527	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	69652	22.788	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	313149	25.479	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	350879	26.237	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	263338	25.955	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	272437	25.007	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	247759	25.412	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	15392	23.275	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	194042	24.700	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	153097	24.503	ug/L	99
71) Naphthalene	13.435	128	216723	23.095	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	147945	25.028	ug/L	99

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

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