

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052224\
 Data File : VW035661.D
 Acq On : 22 May 2024 09:15
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025370

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024
 Supervised By :Mahesh Dadoda 05/27/2024

Quant Time: May 23 02:12:18 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	419071	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	424963	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	237261	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	114428	17.666	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	70.680%		
7) Chloroethane-d5	1.529	69	101124	19.352	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	77.400%		
11) 1,1-Dichloroethene-d2	2.053	65	51578	17.987	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	71.960%		
21) 2-Butanone-d5	3.844	46	99556m	54.160	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	108.320%		
24) Chloroform-d	4.246	84	278317	22.339	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	89.360%		
26) 1,2-Dichloroethane-d4	4.941	65	139080	22.581	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	90.320%		
32) Benzene-d6	4.957	84	486357	20.907	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	83.640%		
36) 1,2-Dichloropropane-d6	5.986	67	159445	22.210	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	88.840%		
41) Toluene-d8	7.240	98	435785	21.049	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	84.200%		
43) trans-1,3-Dichloroprop...	7.551	79	66138	21.542	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	86.160%		
47) 2-Hexanone-d5	8.031	63	62707	48.577	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	97.160%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	156851	22.674	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	90.680%		
66) 1,2-Dichlorobenzene-d4	11.558	152	184920	22.458	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	89.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	190368	22.344	ug/L	100
3) Chloromethane	1.211	50	183035	21.397	ug/L	100
5) Vinyl chloride	1.278	62	204163	23.102	ug/L	100
6) Bromomethane	1.484	94	128152	22.902	ug/L	99
8) Chloroethane	1.545	64	131054	24.056	ug/L	99
9) Trichlorofluoromethane	1.709	101	283527	24.579	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	187854	25.811	ug/L	99
12) 1,1-Dichloroethene	2.063	96	160168	24.364	ug/L	95
13) Acetone	2.153	43	118749m	44.131	ug/L	
14) Carbon disulfide	2.233	76	416033	19.980	ug/L	99
15) Methyl Acetate	2.384	43	96543	23.681	ug/L	99
16) Methylene chloride	2.442	84	204176	21.128	ug/L	94
17) trans-1,2-Dichloroethene	2.690	96	175431	24.038	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	466880	26.521	ug/L	99
19) 1,1-Dichloroethane	3.108	63	360841	26.374	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	197292	24.937	ug/L	98
22) 2-Butanone	3.912	43	122749m	49.122	ug/L	
23) Bromochloromethane	4.143	128	99137	25.908	ug/L	96
25) Chloroform	4.272	83	381836	27.027	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	244150	27.752	ug/L	100
29) Cyclohexane	4.577	56	243399	23.951	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	316250	26.839	ug/L	99
31) Carbon tetrachloride	4.732	117	273340	26.439	ug/L	99
33) Benzene	5.005	78	749134	26.635	ug/L	100
34) Trichloroethene	5.828	95	219706	27.616	ug/L	99
35) Methylcyclohexane	6.047	83	293366	24.288	ug/L	98
37) 1,2-Dichloropropane	6.088	63	208071	28.355	ug/L	100
38) Bromodichloromethane	6.429	83	275227	27.687	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	302658	26.370	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	240494	54.724	ug/L	98
42) Toluene	7.310	91	813594	27.334	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	273848	27.275	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	173734	27.865	ug/L	98
46) Tetrachloroethene	7.902	164	161877	25.045	ug/L	97
48) 2-Hexanone	8.079	43	173702	52.716	ug/L	99
49) Dibromochloromethane	8.172	129	194006	27.576	ug/L	99
50) 1,2-Dibromoethane	8.281	107	165129	26.884	ug/L	100
51) Chlorobenzene	8.809	112	545850	26.430	ug/L	99
52) Ethylbenzene	8.944	91	893444	27.187	ug/L	100
53) m,p-Xylene	9.069	106	341793	27.413	ug/L	99
54) o-Xylene	9.474	106	328135	27.768	ug/L	99
55) Styrene	9.493	104	602879	29.251	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	180175	23.723	ug/L	99
59) Bromoform	9.664	173	127213	27.283	ug/L	99
60) Isopropylbenzene	9.863	105	913421	28.901	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	157509	28.330	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	737552	29.748	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	744567	29.224	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	468121	28.224	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	480730	27.997	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	436794	27.976	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	36101	27.997	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	358157	27.633	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	293627	27.130	ug/L	99
71) Naphthalene	13.435	128	521180	27.431	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	283517	29.120	ug/L	99

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

