

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052824\
 Data File : VW035832.D
 Acq On : 28 May 2024 08:50
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025381

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024
 Supervised By :Semsettin Yesilyurt 05/30/2024

Quant Time: May 29 02:03:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 05:15:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	504420	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	511877	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	282652	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	193429	24.810	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	99.240%		
7) Chloroethane-d5	1.529	69	154407	24.549	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	98.200%		
11) 1,1-Dichloroethene-d2	2.053	65	82723	23.967	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	95.880%		
21) 2-Butanone-d5	3.857	46	99229m	44.848	ug/L	0.02
Spiked Amount 50.000	Range 20 - 135		Recovery =	89.700%		
24) Chloroform-d	4.243	84	357536	23.842	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	95.360%		
26) 1,2-Dichloroethane-d4	4.937	65	182860	24.666	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	98.680%		
32) Benzene-d6	4.957	84	687787	24.546	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	98.200%		
36) 1,2-Dichloropropane-d6	5.986	67	212958	24.628	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	98.520%		
41) Toluene-d8	7.239	98	630830	25.296	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	101.200%		
43) trans-1,3-Dichloroprop...	7.551	79	90249	24.404	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	97.600%		
47) 2-Hexanone-d5	8.030	63	62000	39.874	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	79.740%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	176705	21.207	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	84.840%		
66) 1,2-Dichlorobenzene-d4	11.558	152	234671	23.923	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	95.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	184678	18.008	ug/L	99
3) Chloromethane	1.211	50	179907	17.473	ug/L	97
5) Vinyl chloride	1.278	62	200411	18.840	ug/L	100
6) Bromomethane	1.484	94	127430	18.920	ug/L	99
8) Chloroethane	1.545	64	135564	20.674	ug/L	98
9) Trichlorofluoromethane	1.709	101	295467	21.280	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	202523	23.118	ug/L	98
12) 1,1-Dichloroethene	2.066	96	170099	21.497	ug/L	94
13) Acetone	2.156	43	127110	39.246	ug/L	94
14) Carbon disulfide	2.236	76	391664	15.627	ug/L	100
15) Methyl Acetate	2.388	43	99215	20.219	ug/L #	90
16) Methylene chloride	2.442	84	224740	19.321	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	182954	20.827	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	534201	25.211	ug/L	99
19) 1,1-Dichloroethane	3.108	63	403440	24.498	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	216417	22.726	ug/L	97
22) 2-Butanone	3.915	43	144783m	48.136	ug/L	
23) Bromochloromethane	4.143	128	110844	24.066	ug/L	96
25) Chloroform	4.272	83	432288	25.421	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	269999	25.497	ug/L	99
29) Cyclohexane	4.577	56	247646	20.231	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	347913	24.513	ug/L	99
31) Carbon tetrachloride	4.728	117	293653	23.581	ug/L	100
33) Benzene	5.005	78	826826	24.406	ug/L	100
34) Trichloroethene	5.828	95	237284	24.761	ug/L	99
35) Methylcyclohexane	6.047	83	301266	20.707	ug/L	97
37) 1,2-Dichloropropane	6.088	63	237296	26.847	ug/L	100
38) Bromodichloromethane	6.429	83	320628	26.778	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	336764	24.360	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	278600	52.630	ug/L	98
42) Toluene	7.310	91	889414	24.808	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	322293	26.650	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	203534	27.101	ug/L	99
46) Tetrachloroethene	7.902	164	173861	22.332	ug/L	98
48) 2-Hexanone	8.079	43	197129	49.668	ug/L	99
49) Dibromochloromethane	8.172	129	225307	26.588	ug/L	99
50) 1,2-Dibromoethane	8.281	107	188910	25.533	ug/L	99
51) Chlorobenzene	8.812	112	609302	24.493	ug/L	99
52) Ethylbenzene	8.944	91	981789	24.802	ug/L	100
53) m,p-Xylene	9.069	106	373322	24.858	ug/L	99
54) o-Xylene	9.474	106	361785	25.417	ug/L	100
55) Styrene	9.493	104	674365	27.163	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	213633	23.352	ug/L	98
59) Bromoform	9.664	173	151115	27.205	ug/L	100
60) Isopropylbenzene	9.863	105	1004465	26.678	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	182819	27.602	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	818329	27.706	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	830769	27.371	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	524884	26.564	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	538956	26.348	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	501087	26.940	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	41130	26.775	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	399384	25.866	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	333230	25.845	ug/L	99
71) Naphthalene	13.435	128	558542	24.676	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	316806	27.314	ug/L	99

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

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