

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072224\
 Data File : VW036626.D
 Acq On : 22 Jul 2024 11:49
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025331

Manual Integrations
 APPROVED

Reviewed By :Romaben
 Patel

Quant Time: Jul 23 01:55:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 23 01:49:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	457512	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	441261	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	245160	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	97477	19.453	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.800%
7) Chloroethane-d5	1.526	69	92706	20.484	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.920%
11) 1,1-Dichloroethene-d2	2.047	65	49086	18.526	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.120%
21) 2-Butanone-d5	3.844	46	46433	39.706	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.420%
24) Chloroform-d	4.243	84	249819	20.646	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.600%
26) 1,2-Dichloroethane-d4	4.937	65	124345	20.830	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.320%
32) Benzene-d6	4.953	84	455034	21.758	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.040%
36) 1,2-Dichloropropane-d6	5.986	67	127024	21.317	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.280%
41) Toluene-d8	7.240	98	441551	22.124	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.480%
43) trans-1,3-Dichloroprop...	7.551	79	57059	21.540	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.160%
47) 2-Hexanone-d5	8.034	63	36185	45.629	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.260%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	107455	20.690	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.760%
66) 1,2-Dichlorobenzene-d4	11.558	152	179101	20.928	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.720%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	172385	22.218	ug/L	100
3) Chloromethane	1.211	50	128014	21.445	ug/L	99
5) Vinyl chloride	1.275	62	170018	23.031	ug/L	100
6) Bromomethane	1.481	94	130483	22.107	ug/L	99
8) Chloroethane	1.542	64	106878	22.341	ug/L	100
9) Trichlorofluoromethane	1.706	101	287501	22.430	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	170896	21.429	ug/L	99
12) 1,1-Dichloroethene	2.060	96	147041	20.833	ug/L	98
13) Acetone	2.156	43	69322m	36.492	ug/L	
14) Carbon disulfide	2.230	76	461966	23.582	ug/L	100
15) Methyl Acetate	2.388	43	42796	19.310	ug/L	100
16) Methylene chloride	2.439	84	191885	22.541	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	160894	22.572	ug/L	100
18) Methyl tert-butyl Ether	2.700	73	330494	22.106	ug/L	100
19) 1,1-Dichloroethane	3.105	63	248089	22.184	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	168104	22.582	ug/L	98
22) 2-Butanone	3.915	43	65411m	40.564	ug/L	
23) Bromochloromethane	4.143	128	85530	21.619	ug/L	98
25) Chloroform	4.269	83	292935	21.700	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	176738	21.819	ug/L	97
29) Cyclohexane	4.574	56	193878	24.644	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	264308	23.153	ug/L	99
31) Carbon tetrachloride	4.728	117	246847	23.144	ug/L	100
33) Benzene	5.002	78	585567	23.367	ug/L	100
34) Trichloroethene	5.828	95	190537	23.234	ug/L	99
35) Methylcyclohexane	6.043	83	265658	24.329	ug/L	99
37) 1,2-Dichloropropane	6.088	63	131365	22.778	ug/L	100
38) Bromodichloromethane	6.429	83	206427	21.954	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	225793	23.845	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	120056	44.581	ug/L	99
42) Toluene	7.310	91	666931	24.029	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	192163	22.597	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	126207	22.439	ug/L	98
46) Tetrachloroethene	7.902	164	168231	20.673	ug/L	99
48) 2-Hexanone	8.079	43	93491	44.278	ug/L	99
49) Dibromochloromethane	8.172	129	157239	22.189	ug/L	99
50) 1,2-Dibromoethane	8.281	107	126382	22.365	ug/L	97
51) Chlorobenzene	8.809	112	456769	22.729	ug/L	99
52) Ethylbenzene	8.944	91	724313	23.724	ug/L	99
53) m,p-Xylene	9.069	106	291476	24.453	ug/L	99
54) o-Xylene	9.474	106	273633	23.892	ug/L	99
55) Styrene	9.493	104	470937	24.250	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	106832	20.963	ug/L	98
59) Bromoform	9.661	173	104596	22.654	ug/L	99
60) Isopropylbenzene	9.863	105	750035	25.000	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	98229	22.728	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	599862	25.634	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	595863	25.154	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	384941	22.953	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	392445	22.723	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	352650	22.615	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	21614	21.237	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	297040	22.452	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	233912	21.766	ug/L	99
71) Naphthalene	13.435	128	367767	23.005	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	212418	21.907	ug/L	99

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

