

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062524\
 Data File : VW036269.D
 Acq On : 25 Jun 2024 09:41
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025304

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024

Quant Time: Jun 26 03:54:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:53:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	257727	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	266484	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	149639	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	86671	18.292	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.160%
7) Chloroethane-d5	1.529	69	77489	20.510	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.040%
11) 1,1-Dichloroethene-d2	2.053	65	43202	20.481	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.920%
21) 2-Butanone-d5	3.863	46	40076m	36.864	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.720%
24) Chloroform-d	4.243	84	187038	22.827	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.320%
26) 1,2-Dichloroethane-d4	4.937	65	89903	20.927	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.720%
32) Benzene-d6	4.953	84	328406	20.732	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.920%
36) 1,2-Dichloropropane-d6	5.986	67	104490	20.947	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.800%
41) Toluene-d8	7.239	98	303830	21.739	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.960%
43) trans-1,3-Dichloroprop...	7.551	79	41295	20.190	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.760%
47) 2-Hexanone-d5	8.034	63	25265	37.383	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.760%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	83649	22.440	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.760%
66) 1,2-Dichlorobenzene-d4	11.558	152	111544	20.327	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	108416	23.330	ug/L	99
3) Chloromethane	1.211	50	121788	22.836	ug/L	99
5) Vinyl chloride	1.278	62	140428	25.012	ug/L	99
6) Bromomethane	1.484	94	99713	28.628	ug/L	98
8) Chloroethane	1.545	64	92880	26.614	ug/L	99
9) Trichlorofluoromethane	1.709	101	205010	29.403	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	135699	30.666	ug/L	98
12) 1,1-Dichloroethene	2.063	96	122878	29.773	ug/L	87
13) Acetone	2.166	43	67908m	40.100	ug/L	
14) Carbon disulfide	2.233	76	358389	25.006	ug/L	100
15) Methyl Acetate	2.388	43	38886	18.474	ug/L	100
16) Methylene chloride	2.439	84	137681	23.609	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	116295	26.527	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	244644	24.857	ug/L	99
19) 1,1-Dichloroethane	3.105	63	224761	26.921	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	114409	25.971	ug/L	99
22) 2-Butanone	3.921	43	58152m	40.470	ug/L	
23) Bromochloromethane	4.143	128	59633	26.987	ug/L	99
25) Chloroform	4.269	83	237150	27.613	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	144879	27.020	ug/L	99
29) Cyclohexane	4.574	56	149028	23.488	ug/L	96
30) 1,1,1-Trichloroethane	4.503	97	199129	27.333	ug/L	99
31) Carbon tetrachloride	4.728	117	176801	27.663	ug/L	99
33) Benzene	5.002	78	480097	27.546	ug/L	100
34) Trichloroethene	5.828	95	138144	25.862	ug/L	99
35) Methylcyclohexane	6.043	83	189095	25.598	ug/L	99
37) 1,2-Dichloropropane	6.088	63	125380	27.397	ug/L	99
38) Bromodichloromethane	6.426	83	167901	27.719	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	164985	24.103	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	101107	40.664	ug/L	98
42) Toluene	7.310	91	511734	28.734	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	157567	26.651	ug/L	96
45) 1,1,2-Trichloroethane	7.764	97	98188	25.930	ug/L	99
46) Tetrachloroethene	7.899	164	102834	26.322	ug/L	98
48) 2-Hexanone	8.079	43	77345	39.790	ug/L	97
49) Dibromochloromethane	8.172	129	111119	26.813	ug/L	99
50) 1,2-Dibromoethane	8.278	107	93599	25.761	ug/L	98
51) Chlorobenzene	8.809	112	323721	26.678	ug/L	99
52) Ethylbenzene	8.944	91	530470	27.840	ug/L	100
53) m,p-Xylene	9.069	106	202465	28.279	ug/L	97
54) o-Xylene	9.474	106	187052	27.705	ug/L	97
55) Styrene	9.490	104	357228	30.004	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	90697	26.749	ug/L	99
59) Bromoform	9.661	173	69332	24.568	ug/L	97
60) Isopropylbenzene	9.863	105	519816	27.077	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	81144	22.928	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	360811	25.919	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	403608	26.909	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	265644	26.349	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	273633	26.295	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	243704	25.687	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	17019	21.505	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	188789	25.034	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	142460	23.992	ug/L	99
71) Naphthalene	13.435	128	208884	21.556	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	140059	25.848	ug/L	100

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

