

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072624\
 Data File : VW036697.D
 Acq On : 25 Jul 2024 10:32
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025339

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/26/2024
 Supervised By :Mahesh Dadoda 07/26/2024

Quant Time: Jul 26 05:00:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 25 00:49:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	331388	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	330614	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	195573	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	78499	21.628	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.520%
7) Chloroethane-d5	1.526	69	79960	24.392	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.560%
11) 1,1-Dichloroethene-d2	2.050	65	44395	23.133	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.520%
21) 2-Butanone-d5	3.844	46	37522m	44.297	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.600%
24) Chloroform-d	4.240	84	223381	25.487	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.960%
26) 1,2-Dichloroethane-d4	4.937	65	107561	24.876	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.520%
32) Benzene-d6	4.950	84	380809	24.303	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	5.982	67	108864	24.383	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.520%
41) Toluene-d8	7.236	98	369722	24.725	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.920%
43) trans-1,3-Dichloroprop...	7.551	79	45470	22.909	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.640%
47) 2-Hexanone-d5	8.030	63	24382	41.035	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.080%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	93206	23.952	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	11.558	152	161005	23.583	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	131744	23.442	ug/L	99
3) Chloromethane	1.211	50	101618	23.502	ug/L	99
5) Vinyl chloride	1.278	62	124796	23.340	ug/L	99
6) Bromomethane	1.484	94	106358	24.878	ug/L	98
8) Chloroethane	1.545	64	82270	23.742	ug/L	99
9) Trichlorofluoromethane	1.706	101	225107	24.246	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	141095	24.425	ug/L	100
12) 1,1-Dichloroethene	2.063	96	126606	24.765	ug/L	97
13) Acetone	2.156	43	57128	41.518	ug/L	99
14) Carbon disulfide	2.230	76	335235	23.626	ug/L	100
15) Methyl Acetate	2.388	43	28673	17.862	ug/L	97
16) Methylene chloride	2.439	84	137110	22.237	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	121757	23.583	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	226866	20.950	ug/L	99
19) 1,1-Dichloroethane	3.101	63	185954	22.957	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	121621	22.556	ug/L	98
22) 2-Butanone	3.908	43	40292m	34.497	ug/L	
23) Bromochloromethane	4.140	128	66923	23.354	ug/L	96
25) Chloroform	4.268	83	228969	23.417	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	136747	23.307	ug/L	97
29) Cyclohexane	4.574	56	128142	21.739	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	205088	23.977	ug/L	99
31) Carbon tetrachloride	4.725	117	193225	24.179	ug/L	100
33) Benzene	5.002	78	441851	23.533	ug/L	100
34) Trichloroethene	5.825	95	140564	22.877	ug/L	98
35) Methylcyclohexane	6.043	83	186011	22.736	ug/L	99
37) 1,2-Dichloropropane	6.088	63	100669	23.298	ug/L	98
38) Bromodichloromethane	6.426	83	161981	22.992	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	161980	22.831	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	77392	38.356	ug/L	99
42) Toluene	7.310	91	511096	24.577	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	142803	22.413	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	94386	22.397	ug/L	98
46) Tetrachloroethene	7.899	164	127593	20.927	ug/L	99
48) 2-Hexanone	8.079	43	62574	39.554	ug/L	97
49) Dibromochloromethane	8.172	129	122009	22.980	ug/L	100
50) 1,2-Dibromoethane	8.278	107	95020	22.443	ug/L	97
51) Chlorobenzene	8.808	112	356316	23.664	ug/L	98
52) Ethylbenzene	8.940	91	541487	23.671	ug/L	100
53) m,p-Xylene	9.069	106	220115	24.646	ug/L	97
54) o-Xylene	9.474	106	204037	23.778	ug/L	99
55) Styrene	9.493	104	372434	25.596	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	82533	21.615	ug/L	98
59) Bromoform	9.661	173	78562	21.329	ug/L	97
60) Isopropylbenzene	9.863	105	566726	23.680	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	70172	20.353	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	449693	24.089	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	450843	23.858	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	313945	23.466	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	318332	23.105	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	285657	22.963	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	16177	19.925	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	236816	22.439	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	183302	21.382	ug/L	99
71) Naphthalene	13.435	128	257869	20.220	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	179492	23.204	ug/L	99

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

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