

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072624\
 Data File : VW036720.D
 Acq On : 25 Jul 2024 20:14
 Operator : SY/MD
 Sample : P3276-20MSD
 Misc : 8.08g/10mL/MSVOA_V/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 26 05:03:32 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	474196	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	388978	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	143738	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	60750	11.697	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	46.800%
7) Chloroethane-d5	1.526	69	69310	14.776	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.120%
11) 1,1-Dichloroethene-d2	2.050	65	28186	10.264	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	41.040%#
21) 2-Butanone-d5	3.838	46	64030	52.827	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.660%
24) Chloroform-d	4.243	84	235610	18.787	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.160%
26) 1,2-Dichloroethane-d4	4.941	65	128385	20.750	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.000%
32) Benzene-d6	4.953	84	328441	17.816	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	71.280%
36) 1,2-Dichloropropane-d6	5.985	67	119091	22.672	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.680%
41) Toluene-d8	7.239	98	265483	15.090	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	60.360%
43) trans-1,3-Dichloroprop...	7.555	79	34939	14.962	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	59.840%
47) 2-Hexanone-d5	8.030	63	44448	63.582	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.160%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	112211	24.509	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.040%
66) 1,2-Dichlorobenzene-d4	11.558	152	100841	20.097	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	132597	16.488	ug/L	98
3) Chloromethane	1.211	50	112672	18.211	ug/L	99
5) Vinyl chloride	1.278	62	136861	17.888	ug/L	99
6) Bromomethane	1.484	94	110575	18.075	ug/L	100
8) Chloroethane	1.545	64	90940	18.340	ug/L	100
9) Trichlorofluoromethane	1.706	101	219603	16.530	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	126506	15.305	ug/L	98
12) 1,1-Dichloroethene	2.063	96	123456	16.876	ug/L	93
14) Carbon disulfide	2.230	76	370732	18.259	ug/L	100
15) Methyl Acetate	2.388	43	39556	17.220	ug/L	98
16) Methylene chloride	2.439	84	146077	16.556	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	124845	16.898	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	297898	19.225	ug/L	99
19) 1,1-Dichloroethane	3.105	63	204496	17.643	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	133800	17.342	ug/L	99
22) 2-Butanone	3.915	43	69273	41.448	ug/L	95
23) Bromochloromethane	4.143	128	75671	18.454	ug/L	99
25) Chloroform	4.272	83	245585	17.553	ug/L	100
27) 1,2-Dichloroethane	5.037	62	151710	18.070	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.574	56	105185	15.167	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	198428	19.718	ug/L	98
31) Carbon tetrachloride	4.728	117	131213	13.956	ug/L	100
33) Benzene	5.005	78	444651	20.129	ug/L	100
34) Trichloroethene	5.828	95	160050	22.140	ug/L	99
35) Methylcyclohexane	6.047	83	111451	11.579	ug/L	99
37) 1,2-Dichloropropane	6.088	63	109722	21.583	ug/L	100
38) Bromodichloromethane	6.429	83	153557	18.526	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	133597	16.005	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	117615	49.545	ug/L	96
42) Toluene	7.310	91	455851	18.631	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	97898	13.060	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	103902	20.956	ug/L	98
46) Tetrachloroethene	7.902	164	96535	13.457	ug/L	99
48) 2-Hexanone	8.079	43	94333	50.682	ug/L	99
49) Dibromochloromethane	8.172	129	110615	17.708	ug/L	98
50) 1,2-Dibromoethane	8.281	107	100847	20.245	ug/L	99
51) Chlorobenzene	8.812	112	284847	16.079	ug/L	99
52) Ethylbenzene	8.944	91	413552	15.366	ug/L	98
53) m,p-Xylene	9.069	106	160679	15.292	ug/L	98
54) o-Xylene	9.477	106	153937	15.248	ug/L	99
55) Styrene	9.493	104	256262	14.969	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	73440	16.348	ug/L	100
59) Bromoform	9.664	173	68494	25.302	ug/L	98
60) Isopropylbenzene	9.863	105	363482	20.665	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	76414	30.156	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	244915	17.851	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	240588	17.323	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	157758	16.044	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	161230	15.922	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	147955	16.183	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	14758	24.732	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	67984	8.765	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	46587	7.394	ug/L	98
71) Naphthalene	13.439	128	99142	10.578	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	39996	7.035	ug/L	99

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

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