

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041924\
 Data File : VW035320.D
 Acq On : 19 Apr 2024 19:57
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050331

Quant Time: Apr 19 22:34:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 19 22:28:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	418383	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	422581	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	229794	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	130488	32.295	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.580%
7) Chloroethane-d5	1.529	69	121708	34.680	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.360%#
11) 1,1-Dichloroethene-d2	2.056	65	57409	32.413	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.820%
21) 2-Butanone-d5	3.786	46	234264	97.758	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.760%
24) Chloroform-d	4.246	84	311282	45.821	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.640%
26) 1,2-Dichloroethane-d4	4.941	65	188297	43.657	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.320%
32) Benzene-d6	4.957	84	579749	40.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.680%
36) 1,2-Dichloropropane-d6	5.986	67	192169	42.633	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.260%
41) Toluene-d8	7.240	98	527327	41.250	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.500%
43) trans-1,3-Dichloroprop...	7.551	79	86978	39.692	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.380%
47) 2-Hexanone-d5	8.024	63	148967	87.411	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.410%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	300061	48.341	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.680%
66) 1,2-Dichlorobenzene-d4	11.558	152	217271	42.112	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	111435	36.749	ug/L	99
3) Chloromethane	1.214	50	136803	35.093	ug/L	99
5) Vinyl chloride	1.282	62	149992	36.702	ug/L	98
6) Bromomethane	1.487	94	87226	28.474	ug/L	98
8) Chloroethane	1.548	64	108315	38.807	ug/L	98
9) Trichlorofluoromethane	1.712	101	215475	40.172	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	137379	41.845	ug/L	97
12) 1,1-Dichloroethene	2.069	96	122768	39.098	ug/L	89
13) Acetone	2.118	43	176374	80.168	ug/L	99
14) Carbon disulfide	2.240	76	308531	34.892	ug/L	100
15) Methyl Acetate	2.372	43	190256	54.877	ug/L	97
16) Methylene chloride	2.446	84	183064	53.806	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	144298	47.533	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	528669	49.580	ug/L	100
19) 1,1-Dichloroethane	3.111	63	321732	51.680	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	175401	50.881	ug/L	95
22) 2-Butanone	3.867	43	247608	96.990	ug/L	99
23) Bromochloromethane	4.146	128	93500	54.211	ug/L	90
25) Chloroform	4.275	83	327866	53.269	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	250544	51.126	ug/L	97
29) Cyclohexane	4.580	56	208048	39.308	ug/L	97
30) 1,1,1-Trichloroethane	4.510	97	271454	49.281	ug/L	99
31) Carbon tetrachloride	4.735	117	230152	49.296	ug/L	99
33) Benzene	5.008	78	658229	47.768	ug/L	100
34) Trichloroethene	5.831	95	168818	45.395	ug/L	98
35) Methylcyclohexane	6.050	83	230627	41.064	ug/L	99
37) 1,2-Dichloropropane	6.092	63	194292	51.021	ug/L	99
38) Bromodichloromethane	6.429	83	249054	50.689	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	277548	46.266	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	502479	103.348	ug/L	99
42) Toluene	7.314	91	701777	48.645	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	264792	48.045	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	194063	54.067	ug/L	98
46) Tetrachloroethene	7.902	164	130553	50.249	ug/L	97
48) 2-Hexanone	8.072	43	413183	99.919	ug/L	96
49) Dibromochloromethane	8.175	129	188358	52.985	ug/L	100
50) 1,2-Dibromoethane	8.278	107	198600	51.394	ug/L	99
51) Chlorobenzene	8.812	112	471969	50.477	ug/L	99
52) Ethylbenzene	8.944	91	771755	48.269	ug/L	100
53) m,p-Xylene	9.072	106	286364	48.635	ug/L	100
54) o-Xylene	9.477	106	286450	49.168	ug/L	99
55) Styrene	9.493	104	520716	52.891	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	326479	56.140	ug/L	100
59) Bromoform	9.664	173	138724	52.679	ug/L	99
60) Isopropylbenzene	9.866	105	784042	47.328	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	246922	49.588	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	504082	46.852	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	630285	47.382	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	383255	49.505	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	395109	50.187	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	396586	51.424	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	66764	48.667	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	278786	49.966	ug/L	98
70) 1,2,4-trichlorobenzene	13.198	180	248042	48.397	ug/L	99
71) Naphthalene	13.435	128	598075	42.061	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	256788	50.829	ug/L	99

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

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