

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040524\
 Data File : VV034991.D
 Acq On : 05 Apr 2024 08:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050316

Quant Time: Apr 06 00:50:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 21:33:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	396406	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	390938	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	202297	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	145806	38.086	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.180%
7) Chloroethane-d5	1.532	69	133019	40.004	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.056	65	68701	40.939	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.880%
21) 2-Butanone-d5	3.793	46	212826	93.736	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.740%
24) Chloroform-d	4.243	84	302150	46.942	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.880%
26) 1,2-Dichloroethane-d4	4.937	65	185105	45.296	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.600%
32) Benzene-d6	4.956	84	577187	43.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.900%
36) 1,2-Dichloropropane-d6	5.985	67	191605	45.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.900%
41) Toluene-d8	7.239	98	525743	44.455	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.920%
43) trans-1,3-Dichloroprop...	7.548	79	81725	40.314	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.620%
47) 2-Hexanone-d5	8.024	63	120550	76.462	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.460%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	265930	46.310	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.620%
66) 1,2-Dichlorobenzene-d4	11.557	152	197787	43.546	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	139726	48.633	ug/L	99
3) Chloromethane	1.217	50	171796	46.513	ug/L	100
5) Vinyl chloride	1.285	62	183336	47.348	ug/L	98
6) Bromomethane	1.490	94	115350	39.742	ug/L	98
8) Chloroethane	1.548	64	134748	50.954	ug/L	98
9) Trichlorofluoromethane	1.712	101	261194	51.395	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	159379	51.237	ug/L	98
12) 1,1-Dichloroethene	2.069	96	144817	48.677	ug/L	91
13) Acetone	2.127	43	179109	85.925	ug/L	100
14) Carbon disulfide	2.240	76	376844	44.980	ug/L	100
15) Methyl Acetate	2.375	43	184617	56.203	ug/L	98
16) Methylene chloride	2.445	84	179272	55.613	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	146725	51.012	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	538659	53.317	ug/L	99
19) 1,1-Dichloroethane	3.108	63	327459	55.517	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	172495	52.812	ug/L	98
22) 2-Butanone	3.873	43	241677	99.915	ug/L	97
23) Bromochloromethane	4.143	128	89016	54.472	ug/L	97
25) Chloroform	4.272	83	324715	55.682	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	249806	53.802	ug/L	99
29) Cyclohexane	4.580	56	243933	49.818	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	268349	52.660	ug/L	99
31) Carbon tetrachloride	4.731	117	230427	53.350	ug/L	100
33) Benzene	5.005	78	666922	52.316	ug/L	100
34) Trichloroethene	5.828	95	177804	51.682	ug/L	98
35) Methylcyclohexane	6.046	83	257377	49.536	ug/L	99
37) 1,2-Dichloropropane	6.088	63	188760	53.580	ug/L	100
38) Bromodichloromethane	6.429	83	244090	53.700	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	278814	50.239	ug/L	99
40) 4-Methyl-2-pentanone	7.152	43	486857	108.240	ug/L	98
42) Toluene	7.310	91	708328	53.073	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	260901	51.171	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	181703	54.721	ug/L	99
46) Tetrachloroethene	7.902	164	128218	53.345	ug/L	97
48) 2-Hexanone	8.072	43	394510	103.125	ug/L	99
49) Dibromochloromethane	8.172	129	182420	55.468	ug/L	100
50) 1,2-Dibromoethane	8.278	107	188320	52.678	ug/L	98
51) Chlorobenzene	8.812	112	456404	52.764	ug/L	100
52) Ethylbenzene	8.943	91	782390	52.895	ug/L	99
53) m,p-Xylene	9.069	106	289631	53.171	ug/L	99
54) o-Xylene	9.474	106	286634	53.182	ug/L	98
55) Styrene	9.493	104	506662	55.629	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	287288	53.399	ug/L	100
59) Bromoform	9.660	173	134973	58.221	ug/L	100
60) Isopropylbenzene	9.863	105	783022	53.691	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	237456	54.168	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	509128	53.754	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	626973	53.540	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	363067	53.272	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	368389	53.153	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	370537	54.577	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	61508	50.930	ug/L	100
69) 1,3,5-Trichlorobenzene	12.580	180	258303	52.588	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	222414	49.295	ug/L	99
71) Naphthalene	13.435	128	500620	39.993	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	222558	50.042	ug/L	99

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

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